SAMSUNG

SAMSUNG INKJET PRINTER

User's Guide

SAMSUNG DIGITall
everyone's invited™

Color Inkjet

Multi-function Printer

SCX-1000 Series

Visit us at: http://www.samsungprinter.com
If you have access to this online service, you can download
the User's Guide and drivers from Samsung Electronics.

P/N : JB68-00390A Rev. 1.00

Safety Precautions

Before using the printer, please read the instructions in this guide carefully and keep the guide in a safe place close to the printer, so that it is available when you need it later. Please take the following precautions when using your printer.

Important Precautions and Safety Information

When using this machine, these basic safety precautions should always be followed to reduce risk of fire, electric shock, and injury to persons:

1. Read and understand all instructions.

2. Use common sense whenever operating electrical appliances.

3. Follow all warnings and instructions marked on the product and in the literature accompanying the product.

4. If an operating instruction appears to conflict with safety information, heed the safety information. You may have misunderstood the operating instruction. If you cannot resolve the conflict, contact your sales or service representative for assistance.

5. Unplug the machine from the AC wall socket before cleaning. Do not use liquid or aerosol cleaners. Use only a damp cloth for cleaning.

6. Do not place the machine on an unstable cart, stand, or table. It may fall, causing serious damage.

7. Your machine should never be placed on, near, or over a radiator, heater, air conditioner, or ventilation duct.

8. Do not allow anything to rest on the power or printer cable. Do not locate your machine where the cords might be damaged by persons walking on them.

9. Do not overload wall outlets and extension cords. This can diminish performance, and may result in the risk of fire or electric shock.

10. Do not allow pets to chew on the AC power, or PC interface cable.

11. Never push objects of any kind into the machine through case or cabinet openings. They may touch dangerous voltage points, creating a risk of fire or shock. Never spill liquid of any kind onto or into the machine.

12. To reduce the risk of electric shock, do not disassemble the machine. Take it to a qualified service technician when repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly could cause electric shock when the unit is subsequently used.

13. Unplug the machine from the printer, and AC wall outlet, and refer servicing to qualified service personnel under the following conditions:

 • When any part of the power cord, plug, or connecting cable is damaged or frayed.
 • If liquid has been spilled into the product.
 • If the product has been exposed to rain or water.
 • If the product does not operate properly after instructions have been followed.
 • If the product has been dropped, or the cabinet appears damaged.
 • If the product exhibits a sudden and distinct change in performance.

14. Adjust only those controls covered by the operating instructions. Improper adjustment of other controls may result in damage, and may require extensive work by a qualified service technician to restore the product to normal operation.

15. Avoid using this machine during a lightning storm. There may be a remote risk of electric shock from lightning. If possible, unplug the AC power and telephone for the duration of the lightning storm.

17. SAVE THESE INSTRUCTIONS.

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Introduction

Overview

Congratulations on the purchase of your SCX-1000 Series printer!

This chapter provides the following information:

About This Guide

Main Features

Printer Components

About This Guide

This guide will show you to get started and perform the most common tasks with your printer.

Conventions used

Throughout this guide, following specific conventions are used to help you quickly identify information:

IMPORTANT — This label identifies significant information.

NOTE — This label identifies information you should know before you continue.

CAUTION — This label calls attention to an operating procedure, practice, or the like, which, if not correctly performed or adhered to, could result in damage to or destruction of part or all of the product or your data.

Main Features

This Printer provides the following main features:

You can print with excellent quality and high speed

- High-quality printing at a maximum resolution of 1200 dpi
- Printing speeds of 9 ppm (page per minute) for mono prints, and 4.5 ppm (page per minute) for colour prints

With SmarThru 2, you can easily copy, or scan documents and photographs into your computer, and maintain them as electronic documents. You can also use SmarThru to quickly transmit scanned documents by fax or electronic mail, or to print a copy on your printer.

Scan

Copy

Scan to FAX

Scan to E-mail

Scan to OCR

Scan to Smart Media (SCX-1000S only)
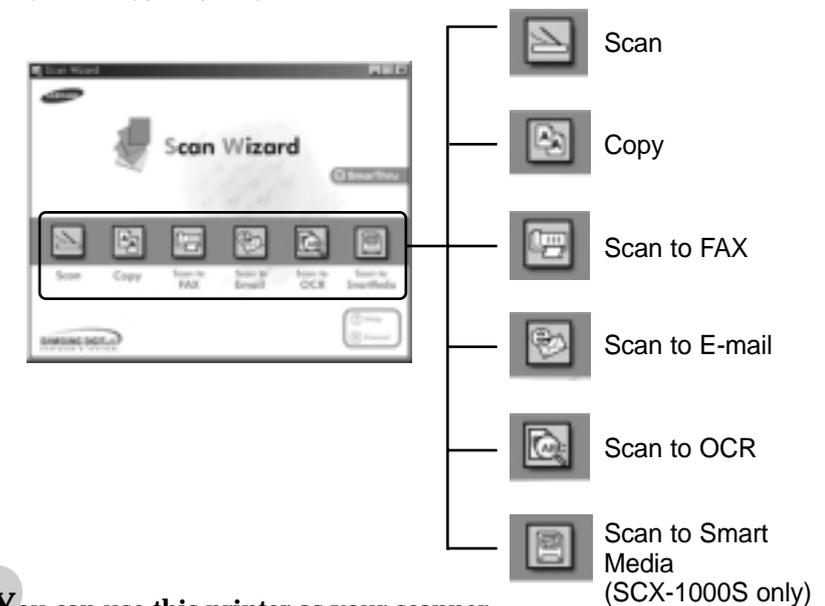
You can use this printer as your scanner
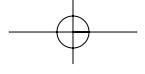
You can easily scan documents and photographs.

Your printer is a high quality copier

- Colour Copies • Adjustable Contrast/Resolution • Reduce/Enlarge
- Multiple Copies • Collate

You can print images captured on digital cameras (SCX-1000S only)
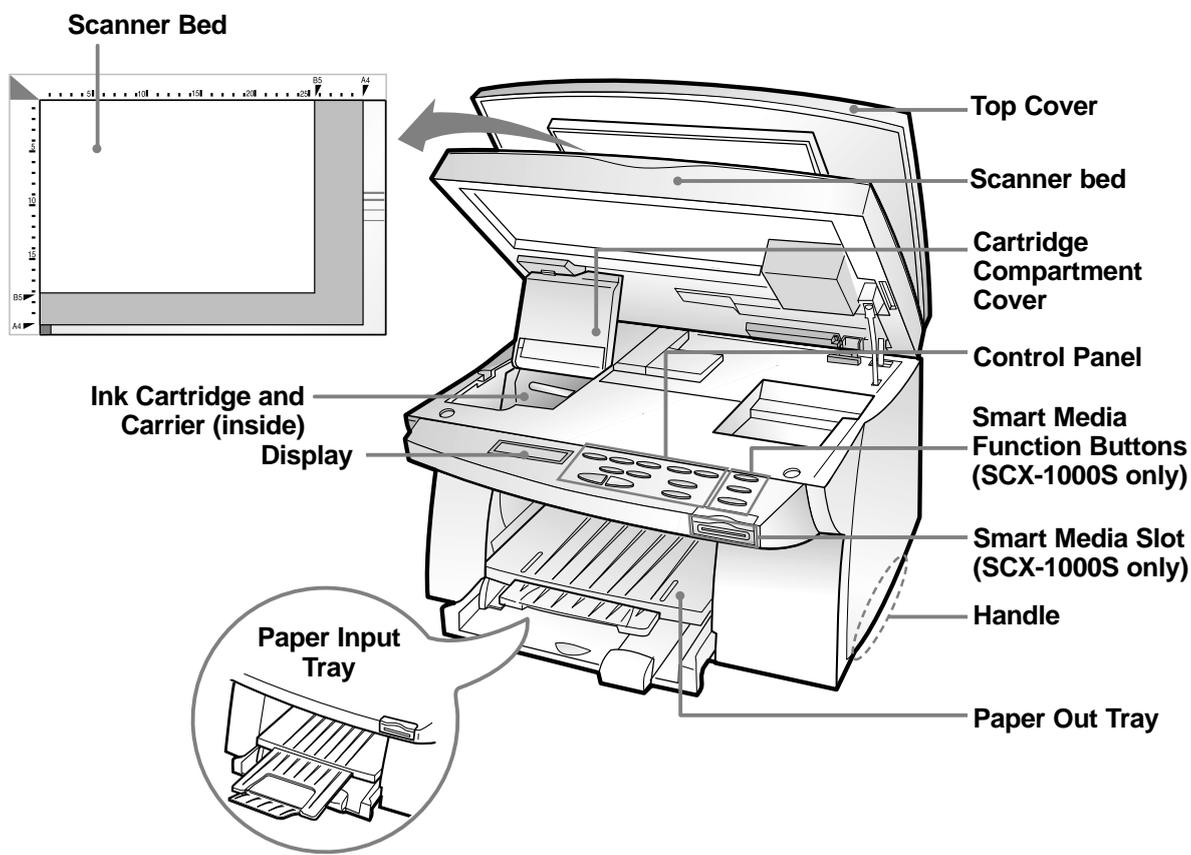
Since everything is saved on a Smart Media Card, you can print out graphics files and make copies without a direct link to a PC.

Printer Components

▼ Front View

The following illustration shows the front view of your printer and indicates the various main elements.

Scanner Bed

Top Cover

Scanner bed

Cartridge Compartment Cover

Control Panel

Ink Cartridge and Carrier (inside)

Smart Media Function Buttons (SCX-1000S only)

Display

Smart Media Slot (SCX-1000S only)

Handle

Paper Input Tray

Paper Out Tray

▼ Rear View

The following illustration shows the rear view of your printer and indicates the various main elements.

Power Connector

Rear Cover

Parallel Interface Connector

USB Port

Manual Feeder

Memo

2
Chapter
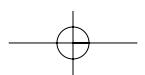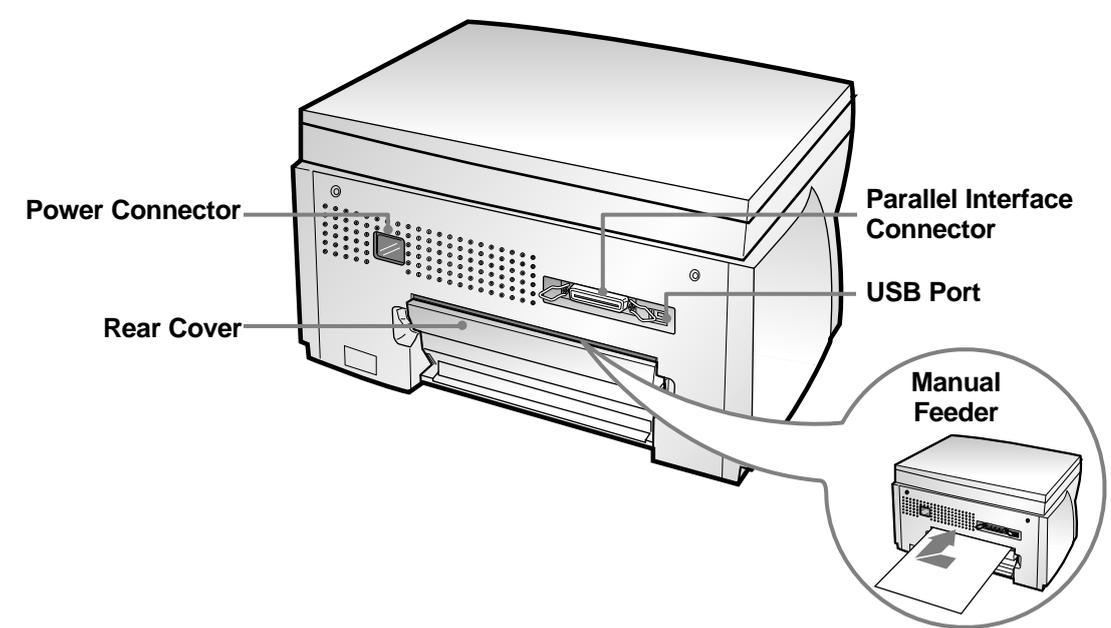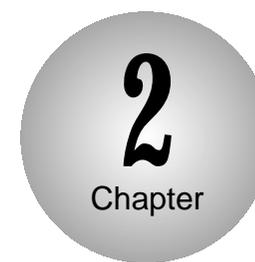
Setting Up Your Printer

Overview

This chapter provides step-by-step information on setting up your printer.

Unpacking Your Printer

Connecting the Printer Cable

Connecting the Power Cord

Loading Paper into the Input Tray

Installing the Print Cartridge

Testing the Printer

Installing the Printer Software

Unpacking Your Printer

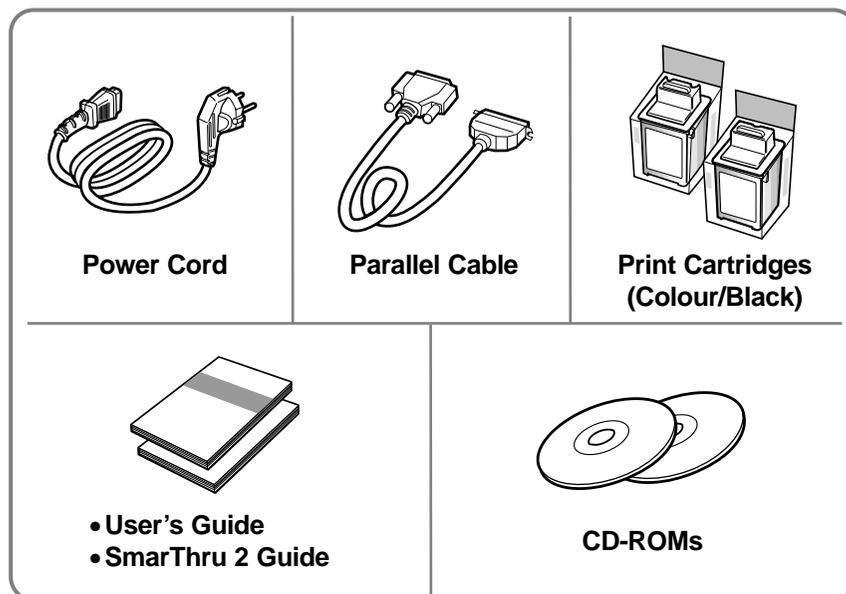**W**hen you start unpacking the box of your printer, you will find the following items in addition to your printer.

Power Cord	**Parallel Cable**	**Print Cartridges (Colour/Black)**
• **User's Guide** • **SmarThru 2 Guide**		**CD-ROMs**

IMPORTANT If you find that any of the above items are missing or damaged, contact your local dealer.

NOTE
- The shape of power cord may differ, depending on your country.
- If necessary, purchase the USB cable. If you are an SCX-1000S user, you will need to purchase Smart Media Card for full advantage of your machine.

During the storage and transport of your printer, adhesive tape is used to protect some of the elements that may move or open unexpectedly and consequently be damaged.

1 Remove all the adhesive tapes, as illustrated below.
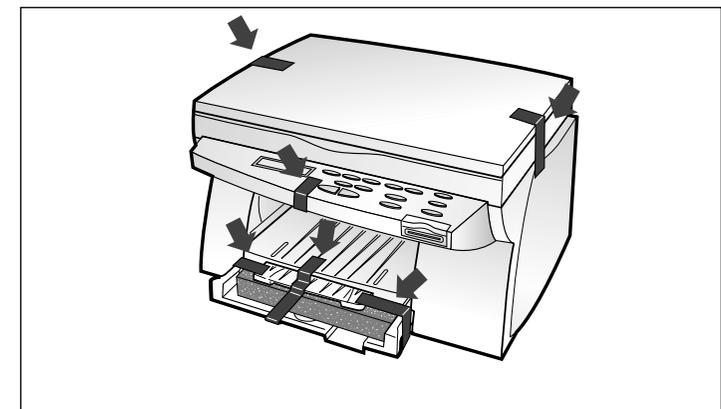
2 Slide the Input Tray out of the printer. Remove the packaging material from the tray.
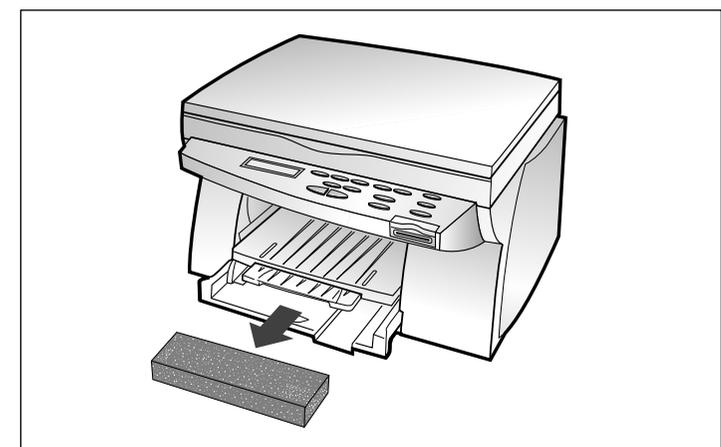
Connecting the Printer Cable

The SCX-1000 Series printer has two interfaces for wide connectivity;
parallel and USB. If you are running Windows 98 or higher and your
computer is equipped with a USB port, see page 2-6 for connection.

Parallel cable connection

IMPORTANT To prevent malfunction, it is strongly recommend that you use
the supplied parallel cable with the printer. If you need to
purchase another cable, ensure that it is complies to IEEE-
1284.

1 Check that both the printer and the computer are powered
off and disconnected from the power point.

2 Plug one end of the parallel cable into the connector on the
rear of the printer.
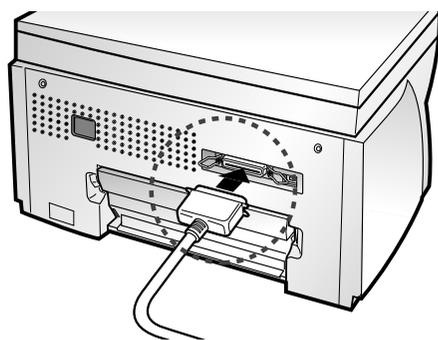
3 Push the metal clips down to fit inside the notches on the
cable plug.
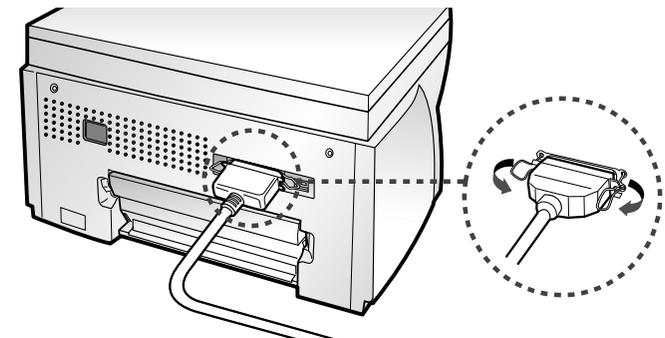
4 Plug the other end of the cable into the appropriate parallel
connector on your computer and fasten it tight.

Continued ➤

Connecting the Printer Cable

To use a USB cable for printing, your computer should be running Windows 98 or higher and have a USB port.

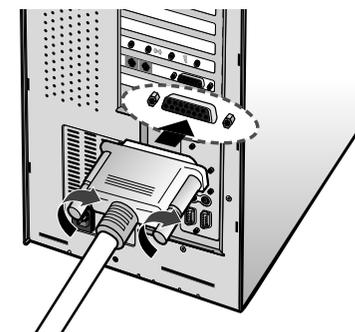### USB cable connection

IMPORTANT   The USB and parallel printer cables cannot be connected simultaneously. You should decide which connection to use and the best connection to fit your requirement.

1 Make sure that both the printer and computer are turned off.

2 Plug one end of the certified USB cable into the USB port on the printer.

3 Plug the other end into the USB port on the computer.

Chapter 2

Connecting the Power Cord

The SCX-1000 Series printer has a power range of 110-240V AC.

1 Plug one end of the power cable supplied to the connector on the rear of the printer.

2 Plug the other end into a suitable power point.

The printer indicates and enters the Ready Mode. At this moment, you will hear some of movement inside the printer.
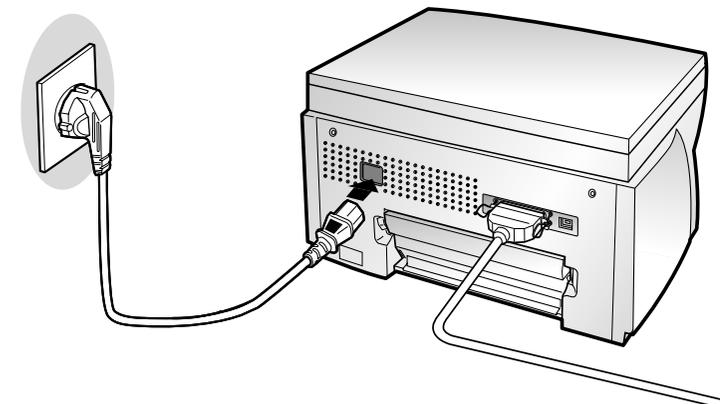
Loading Paper into the Input Tray

Your printer has the Input Tray that can hold up to 150 sheets of paper.

1 Pull the tray completely out of the printer.

2 Slide the paper width and length guides to their outermost positions.

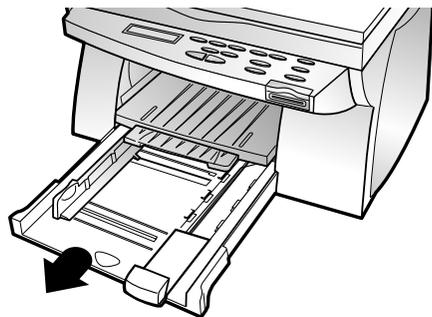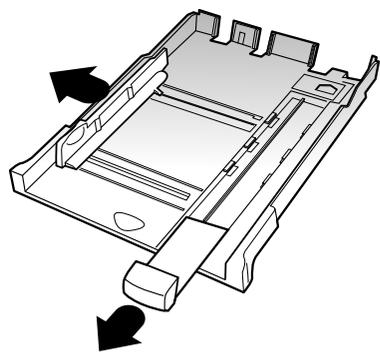**3** Place the paper against the right side of the tray with the recommended print side face down.

CAUTION
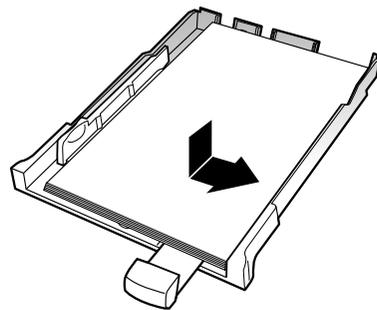
Do not fold or crease the paper.

NOTE

If necessary, flex the sheets back and forth to loosen them, then fan them.

4 Squeeze the Width Guide and slide it to fit the edge of the paper.
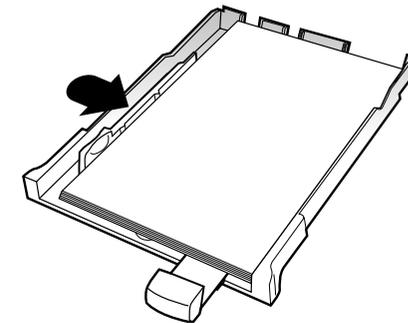
5 Slide the Length Guide in to fit the bottom edge of the paper.

6 Push the input tray back towards the printer until it stops.

Chapter 2

Installing the Print Cartridges

When you unpack the printer, the Print Cartridge Carrier is hidden on the right side of the printer. The carrier slides horizontally across a track inside the printer.
It must move into the installation position on the far left side of the printer to install the print cartridges.

CAUTION Do not pull the Print Cartridge Carrier by hand. Doing so may damage the printer.

1 Remove the sticker and the transparent tape covering the copper contact area on one of the cartridges.

CAUTION

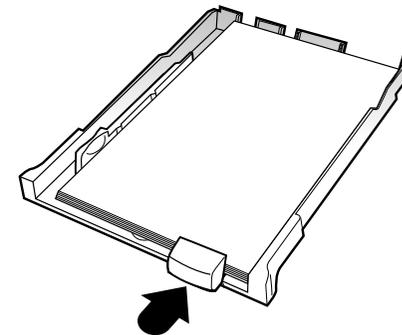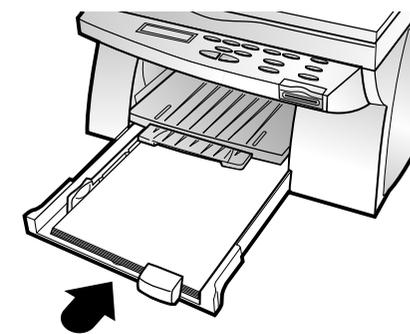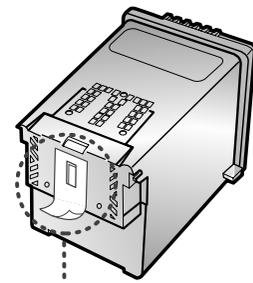Do not touch the copper contact area.

Copper Contact Area

2 Lift the Scanner Bed (①), and support it with the Cartridge Compartment Cover (②).
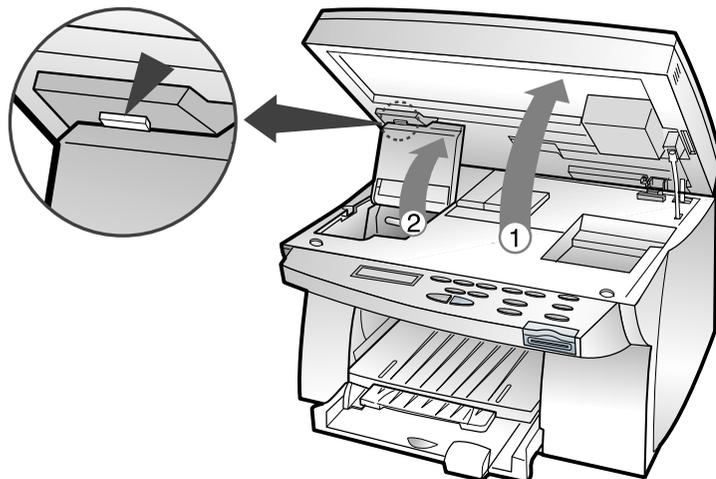
3 Complete the following steps to move the Print Cartridge Carrier into the installation position.

a) Press **Setup** until **CARTRIDGE** appears in the display.

b) Press ˆ or ¤ until **CHANGE CAR.** appears in the second row of the display.

c) Press **Enter/Select.**
The Print Cartridge Carrier moves to the far left side of the printer. You are now ready to install the print cartridges.

IMPORTANT To print correctly, the cartridges should be installed into the correct slot.

Put the cartridges in the carrier slot as indicated below:

Cartridge Type	Cartridge Carrier Slot
Black/Photo*	Right
Colour	Left

* Photo cartridge is optional.

4 Insert cartridges.

Colour Cartridge

Black or Photo Cartridge
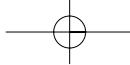
Continued ▶

Installing the Print Cartridge

5 Push back the cartridge until it snaps securely into place.

You should hear a click sound.

**PUSH
BACK**

6 Close the Printer Top Cover.
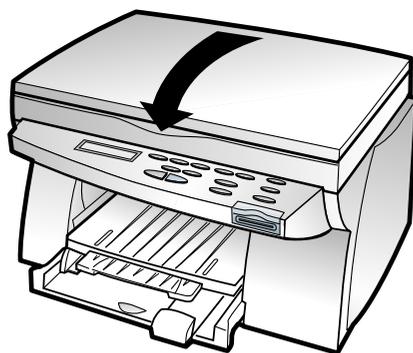
7 Press ^ or ¤ until **BOTH** appears in the second row of the display.

8 Press **Enter/Select**.
LEFT CARTRIDGE? appears in the display.

```
LEFT CARTRIDGE?
 NEW STD COLOR
```

9 Press ^ or ¤ to select the colour cartridge type that you installed.

The cartridge types you can select are:
NEW STD COLOR for a new standard colour cartridge.
NEW HIGH COLOR for a new high-yield colour cartridge.
OLD COLOR for a used colour cartridge.
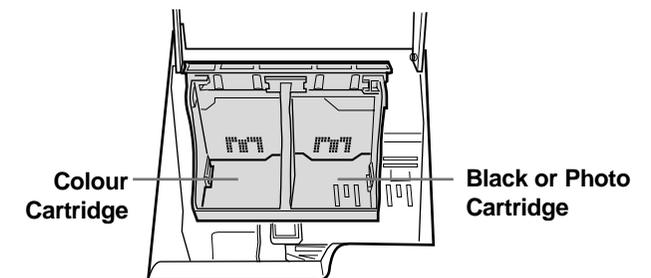
10 Press **Enter/Select**.
RIGHT CARTRIDGE? appears in the display.

```
RIGHT CARTRIDGE?
 NEW STD BLACK
```

11 Press ^ or ¤ to select the black/photo cartridge type that you installed.

The cartridge types you can select are:
NEW STD BLACK for a new standard black cartridge.
NEW HIGH BLACK for a new high-yield black cartridge.
OLD BLACK for a used black cartridge.
NEW PHOTO for a new photo cartridge.
OLD PHOTO for a used photo cartridge.

12 Press **Enter/Select**.

If you have installed a new cartridge, an alignment test page prints.

Depending on the cartridge combination you have installed in your machine, a test page with one or more alignment patterns similar to the ones shown on next page is printed. Each pattern has a number under it.

```
PRINTING     ■■■
```
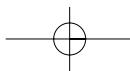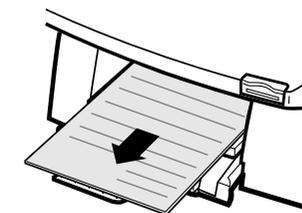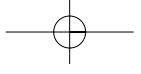
Continued ➡

Installing the Print Cartridge

11 The following illustrations are examples of the alignment test patterns. Each pattern has a letter above it (A, B, C, D, E, and F for black/color, A, B, C and D for color/photo cartridge).
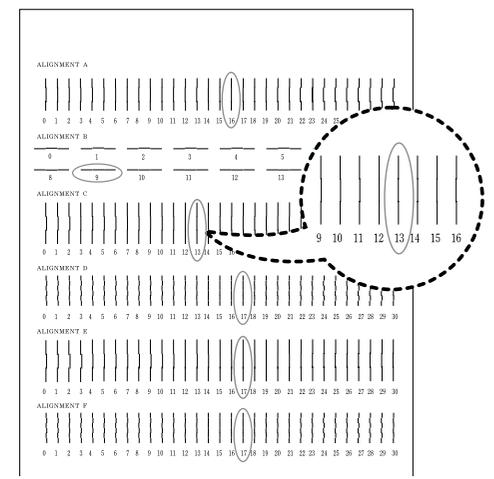
Once the cartridge alignment test page has printed, the display looks like this:

```
ALIGN CARTRIDGE
¤15  [00-30]   A
```
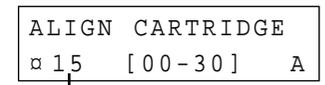
The current alignment value appears in the second row.

To change the alignment value

1) From the **ALIGNMENT A** group on the test page, locate the number under the alignment pattern that comes closest to forming a perfectly straight line.

2) Press ˆ or ¤ to display the correct alignment value based on the printed test page.

3) Press **Enter/Select** to choose the correct alignment value. The next Alignment screen appears on the display.

4) Repeat steps 1 through 3 to select alignment values for B, C, D, E, and F.
Once you pressed **Enter/Select** to choose the correct value for ALIGNMENT F, the printer returns to the Ready Mode.

NOTE

- When either print cartridge starts to run out of ink, replace the empty print cartridge. If you do not have a new replacement for the empty print cartridge, leave the empty print cartridge in the printer.
- Keep a spare print cartridge on hand. When buying print cartridges, check the part numbers referenced below carefully to ensure that you are buying the correct print cartridge.
These print cartridges have been specifically designed to work with your printer to produce results that are always clear and sharp.
- If you want to purchase a new print cartridge, either contact your point of purchase or any Lexmark authorized supplies dealer.

Cartridge type		Part number
Black cartridge	Standard	Lexmark P/N 12A1970
	High yield	Lexmark P/N 12A1975
Colour cartridge	Standard	Lexmark P/N 15M0120
	High yield	Lexmark P/N 15M0125
Photo cartridge (optional)		Lexmark P/N 12A1990
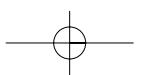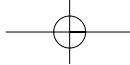
Testing the Printer

Each time you install a new print cartridge, run the Self Test to check if the print cartridge is installed properly.

1 Press **Setup** until **MAINTENANCE** appears in the display.

```
[MAINTENANCE]
¤ HELP LIST
```

2 Press ^ or ¤ until **PRINT SELF TEST** appears in the second row of the display.

```
[MAINTENANCE]
¤ PRINT SELF TEST
```

3 Press **Enter/Select**.

The message **PRINTING** appears in the display.

```
PRINTING    ■■■
```
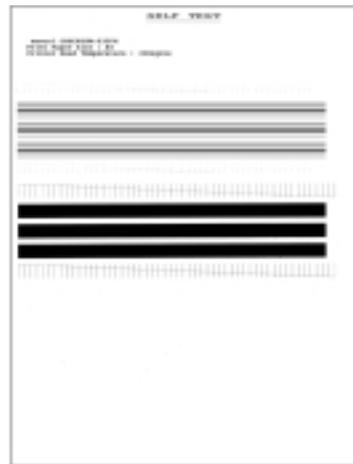
Installing the Printer Software

The printer software (printer driver) and the SmarThru 2 program are provided on two CD-ROMs. To use your new machine as a printer, the printer software must be installed. In addition, it is recommended to install SmarThru 2 program to take more features than the stand-alone printer.

Printer software (printer driver)

The printer driver accesses the printer features and allows the computer to communicate with the printer.

SmarThru 2 program

The program called SmarThru 2 is an application program that helps you manage your printer.

Samsung SmarThru 2 provides you with :

- A Mail Box that can send, receive and store e-mail and fax messages.

- An Image Manager that supports operations on images.

- Scan Manager that supports scanner operations.

- A Copy Manager that controls the copying process.

- AnyPage Lite OCR software gives you the possibility to convert scanned images into text documents suitable for editing in your favorite text editor.

- Smart Media Manager that can store, delete and edit scanned

| NOTE | For information about SmarThru 2, see the separate SmarThru 2 Guide. |
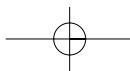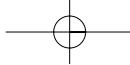
Continued

Installing the Printer Software

Hardware Requirements

To install and run the Printer Software you must have the following hardware configuration:

- 120MB of available Hard disk space
- Pentium 133 or better
- 32MB of RAM or more

Software Requirements

To install and run the Printer Software you must have the following software configuration.

- Windows 95 OSR2
- Windows 98 or Windows 98 SE
- If you are installing the software onto a Windows NT 4 Workstation, you must have installed Service Pack 3 or higher
- Internet Explorer 4.01 or later

1 **Installing the printer software**

Chapter 2

1 Make sure the printer is plugged in and connected to your computer.

2 Start Windows.

3 When the **New Hardware Found** message appears, click the **Cancel** button.

4 Insert the Setup CD-ROM into the CD-ROM drive.

The **Model Selection** window should appear automatically.

If the installation does not start automatically, do the following:

a) Click **Start** → **Run** from the Windows task bar.

b) Type **e:\Setup.exe** (substitute your CD-ROM drive letter for the 'e') on the command line, then click the **OK** button.

5 Select the **printer model** which is connected to your computer.

6 Select the **language** you want to use .

NOTE

If you do not have a CD-ROM drive, you can copy the Setup program onto floppy diskettes.
For more information see 'Making Installation Diskettes' page 2-26.
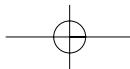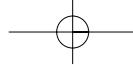
Continued ➡

Installing the Printer Software

7 Click **Install the Samsung Software on your PC**.

The **Welcome** window appears.

Select this icon to Adobe Acrobat Reader.

Select this icon to make diskettes of your software.

Select this icon to to uninstall the Samsung Software on your computer.

NOTE
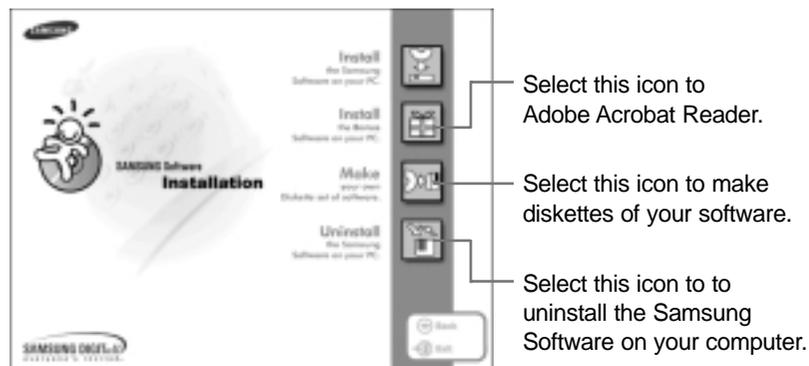
If there is no Internet Explorer 4.0 or above version on your PC, the Setup program will install Internet Explorer version 5.0 on your PC first. After installing it, to continue SCX-1000 Series software setup, run 'Autorun.exe' from the CD or reinsert the CD in the drive.

8 Click **Next**.

9 Type the **user name** and **company** and click the **Next** button.
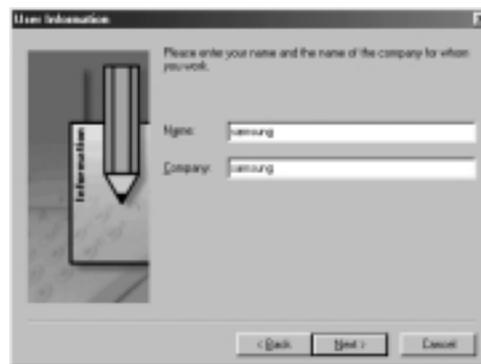
10 Select the folder which the Samsung Software will be installed in, and click the **Next** button.

11 Choose the Setup type and click the **Next** button.
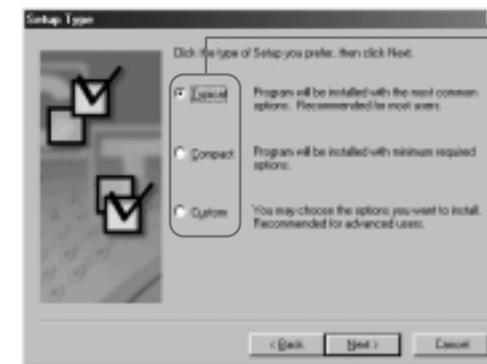
- **Typical (recommended)**
  This option allows you to install the MFP driver, SmarThru software and OCR software.
- **Compact (minimum)**
  This option only allows you to install the MFP driver.
- **Custom (for experienced users)**
  This option allows you to choose which components will be installed. The installation program will prompt you to select the software items.

12 Select the program folder that you want to create the program icons for, and click the **Next** button.
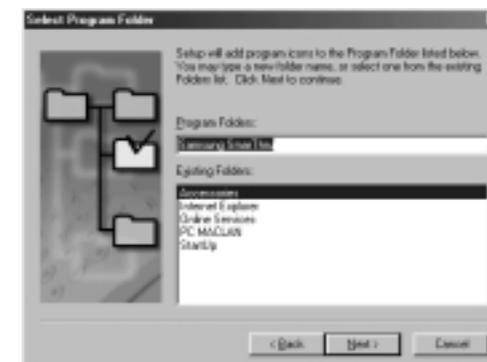
- The files are automatically installed.
- The progress window appears on your screen as the program files are copied onto your computer.

13 After the installation is completed, click on **Finish**.

The Windows will restart.

Chapter 2
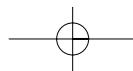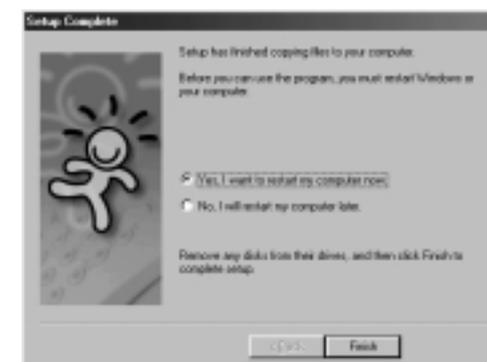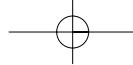
Installing the Printer Software

After Windows is restarted, now you will be asked to add Fax Modem.

2 **Adding a New Fax Modem**

1 Click the **Next** button when **SmarThru Add New Fax Modem** window appears.

2 Select the modem that is installed in your system and then click the **Next** button.

3 Type the identifier (usually your name), select the fax modem class, and then click the **Next** button.
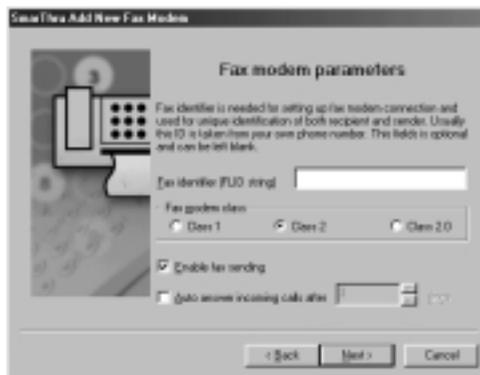
• For more information about the Fax modem class, see the user guide supplied with your fax modem.

4 When you have completed, click **Finish**.

3 **Setting up your Internet Connection**

Set up your Internet connection if you have an E-mail account from your company or a service provider.

1 Select the way you are connected to the Internet and then click the **Next** button.

2 If **'Connection to internet over LAN'** is selected in step1, the following screen appears. Type your user name and the e-mail address, and then click the **Next** button.

• If 'Use Dial-up for internet connection' is selected in step 1, follow the instructions on the screen.

3 Type the mail server address and then click the **Next** button.

• Contact your Internet Service Provider for more details.
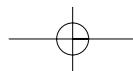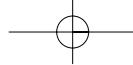
Continued

Installing the Printer Software

4 Type the password that you use to access your
Internet mail server and then click the **Next** button.

5 Click the **Next** button.

6 To complete the configuration of your Internet
e-mail service, click **Finish**.

Congratulations!
You have finished setting
up your printer.
Now you are ready to
start using it.

Chapter 2

Uninstalling the Samsung Software

The Uninstall utility is supplied with the Samsung Software to
enable you to remove the software and all associated files
from your hard disk.

To uninstall the printer driver, proceed as follows:

Close any programs that are running first.

1) Click **Start → Programs → Samsung SCX-1000
Series → SCX-1000 Series Uninstall** from the
Windows task bar.

2) Follow the instructions on the screen.
The printer driver is removed from your hard disk.

To uninstall the SmarThru 2 program, proceed as follows:

Close any programs that are running first.

1) Click **Start → Programs → Samsung SmarThru →
SmarThru 2 Uninstall** from the Windows task bar.

2) Follow the instructions on the screen.
The SmarThru 2 program is removed from your hard disk.

**If prompted to do so,
restart your computer.**
If necessary, re-install the
Samsung Software.
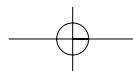
Chapter 2

Making Installation Diskettes

If you do not have a CD-ROM drive, you can copy the Setup files from the Setup CD-ROM onto floppy diskettes at another computer, and then use them instead of the CD-ROM to install the software.

1 Insert the Setup CD-ROM into the CD-ROM drive.

2 Select the **printer model** which is connected to your computer.

3 Select the **language** you want to use.

4 Click the **Make** icon.
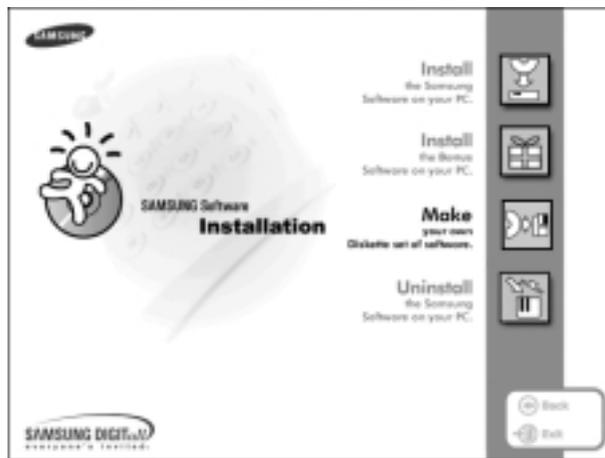
5 The **Copy to Floppy** dialog box appears.
Select the floppy disk drive that you will insert the diskette in.

Select the floppy drive you will use.

Select the language you want to use.
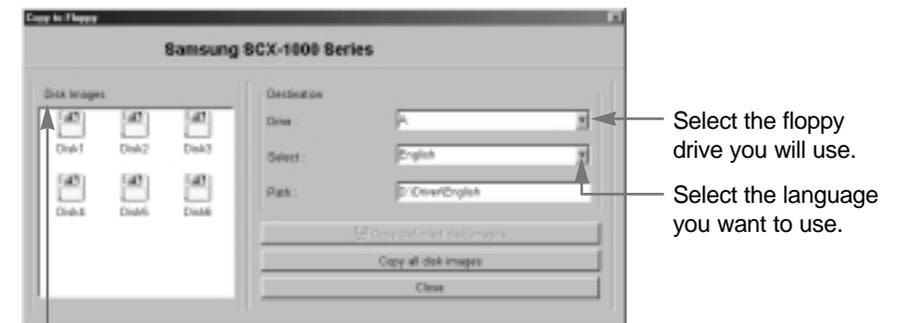
Shows the number of disks required to copy

6 Click **Copy all disk images**.

7 When prompted, insert a blank and formatted diskette into the floppy drive, and click **Yes** to start copying.

8 If you need more than one disk, insert the next disk and click **Yes**.

9 When completed copying, click **Close** in the Copy to Floppy dialog box.

Making Installation Diskettes

Installing Software from Diskette

1 Insert the first diskette.

2 Select **Start** → **Run** from the Windows task bar.

3 Type **A:\setup.exe** (substitute your floppy disk drive letter for 'A') on the command line, and then click the **OK** button.

4 Follow the instructions on the screen to complete the installation.

3
Chapter

Using the Control Panel

Overview

This chapter contains information about using the printer control panel, changing printer settings, and understanding control panel menus.

This chapter provides the following information:

Control Panel Buttons

Control Panel Display

Chapter 3

Control Panel Buttons

The Control Panel has many buttons which are used to change printer settings, make copies, scan documents and maintain the printer. Look for the following buttons and their functions.

Button	Function
Setup	Press **Setup** to change printer settings. The setup menu includes the following items: • CARTRIDGE • PAPER SIZE • PAPER TYPE • MAINTENANCE
◄ ►	• Press ¤ to move to the next item in the menus, or press ˄ to move to the previous item in the menus. • For menu items that have numerical values, such as for COPY PAGE, press ¤ to scroll forward, or ˄ to scroll backward. • Press and hold each button for fast scrolling up and down.
Enter/Select	Press **Enter/Select** to select the menu item shown in the second row of the display.
Stop/Restore	Press **Stop/Restore** to return to the Ready Mode.

Button	Function
Resolution	Press **Resolution** to change the resolution setting when copying documents. • NORMAL • BEST • DRAFT
Contrast	Press **Contrast** to change the contrast setting when copying documents. • NORMAL • LIGHTEN • DARKEN
Zoom Rate	Press **Zoom Rate** to reduce or enlarge the size of a copied image from 25% to 400%.
Copy Page	Press **Copy Page** to determine the number of copies (1 to 99) printed for each page.
Special Copy	Press **Special Copy** to : • sort the copy job. (MONO COLLATE) • print several page images on a single page. (N-UP, *SCX-1000S only*) • clone the same images on a single page. (CLONE) • print a single image on 4, 9, or 16 sheets. (POSTER COPY)
Black Color Start Copy	• Press **Black** to make black-and-white copies. • Press **Color** to make colour copies.

Smart Media Function Buttons (SCX-1000S only)

Button	Function
Menu	Press **Menu** to : • select the Print Mode • delete the images or format on the Smart Media Card
Scan	Press **Scan** to scan and save the images onto the Smart Media Card.
Print	Press **Print** to print the stored images on the Smart Media Card in specific size or in thumbnails.

Chapter 3

Control Panel Display

There are two kinds of messages and they show the information that you have to take care and what you need to do.

- **Status messages** provide information about the current state of the printer.
- **Attendance messages** indicate printer errors that you must resolve.

Status Message

Status Message indicates the current state of the printer.
For example, if you first plug in the power cord, the printer enters the Ready Mode and shows following information.

Resolution ———————— **Paper Size**

```
NORMAL  A4
100%    02  PAGES
```

Zoom Rate   **Number of Copies**
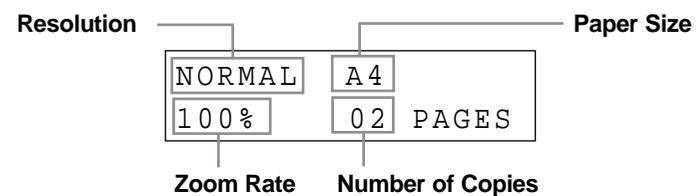
Attendance Message

Attendance Message helps you to solve printer problems.
For example, if a paper is jammed in the printer, the message **REMOVE PAPER JAM** appears in the display:

```
REMOVE PAPER JAM
THEN PRESS STOP
```

4
Chapter

Print Media

Overview

This chapter provides specifications and guidelines for each type of print media that can be used with your printer.

Media Size

Print Media Characteristics

Paper Guideline

Using the Manual Feed Slot
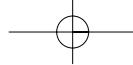
Media Size

The following table lists the types and dimensions of print media that you can use with your printer.

Media	Dimension
Letter	216 mm x 279 mm (8.50 inch x 11.00 inch)
Legal	216 mm x 356 mm (8.50 inch x 14.00 inch)
A4	210 mm x 297 mm (8.27 inch x 11.69 inch)
A5	148 mm x 210 mm (5.83 inch x 8.27 inch)
B5	182 mm x 257 mm (7.17 inch x 10.12 inch)
Executive	184 mm x 267 mm (7.25 inch x 10.50 inch)
A6 Card	105 mm x 149 mm (4.13 inch x 5.85 inch)
Postcard Hagaki	100 mm x 148 mm (3.94 inch x 5.83 inch)
Envelope #7 3/4	98 mm x 190 mm (3.88 inch x 7.50 inch)
Envelope #9	98 mm x 225 mm (3.88 inch x 8.88 inch)
Envelope #10	105 mm x 241 mm (4.13 inch x 9.50 inch)
Envelope B5	176 mm x 250 mm (6.93 inch x 9.84 inch)
Post Card 4x6	102 mm x 152 mm (4.00 inch x 6.00 inch)
Custom	76.2~215.9 mm x 127.0~355.6 mm (3.00~8.50 inch x 5.00~14.00 inch)

Print Media Characteristics

Print media characteristics affect print quality and reliability. When you choose print media, consider the following:

Weight

The printer automatically feeds paper weights from 20 lbs to 24 lbs.

Surface Smoothness

The degree of smoothness of the paper affects print quality. If the paper is too rough, the ink may not adhere to the paper properly, resulting in poor print quality.

Moisture Content

The amount of moisture in the paper affects both print quality and paper feeding reliability.

Always test a sample of paper before purchasing large quantities.

CAUTION

Using media that does not conform to the specifications listed in the paper specifications can cause problems that require service.
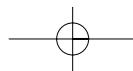
Chapter 4

Paper Guideline

When choosing any paper type, consider the weight, surface smoothness and colour of the paper.

- For best print quality, use inkjet paper.
- Use only undamaged paper

Not supported paper types

- Multiple-sheet forms or documents
- Preprinted papers with chemicals that may contaminate the printer.
- Rough-edged or curled papers
- Synthetic paper
- Thermal paper

Guidelines for paper storage

- Keep paper away from moisture, direct sunlight or other conditions that can cause it to wrinkle or curl.
- Do not place anything on top of the paper packages.
- Store cartons of paper on a pallet or shelf, rather than directly on the floor.

Using the Manual Feed Slot

Your Printer has a Manual Feeder that lets you feed the papers which cannot be fed through the Input Tray. The OHP, thick paper, envelopes, and unformatted paper should be fed manually through the Manual Feeder. This feeder allows only one sheet at one time.

Manual Feeder Slot
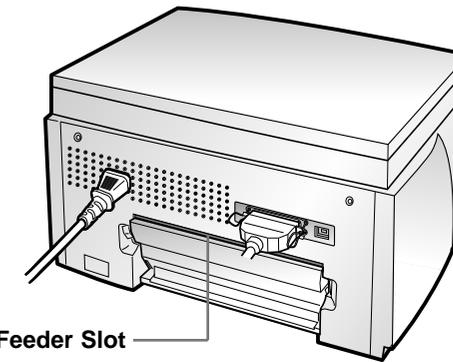
1 Insert the media fully until the printer picks it up.

NOTE
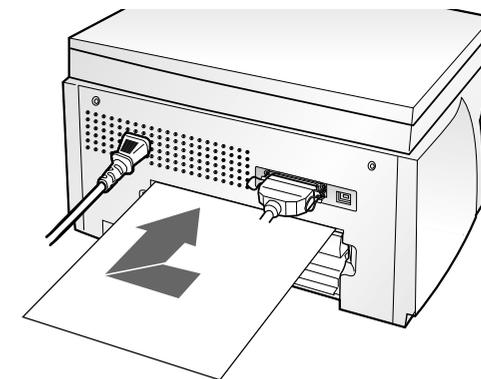
Insert the media with the recommended print side face up.

2 Send your job to print.

Chapter 4

Memo

5
Chapter
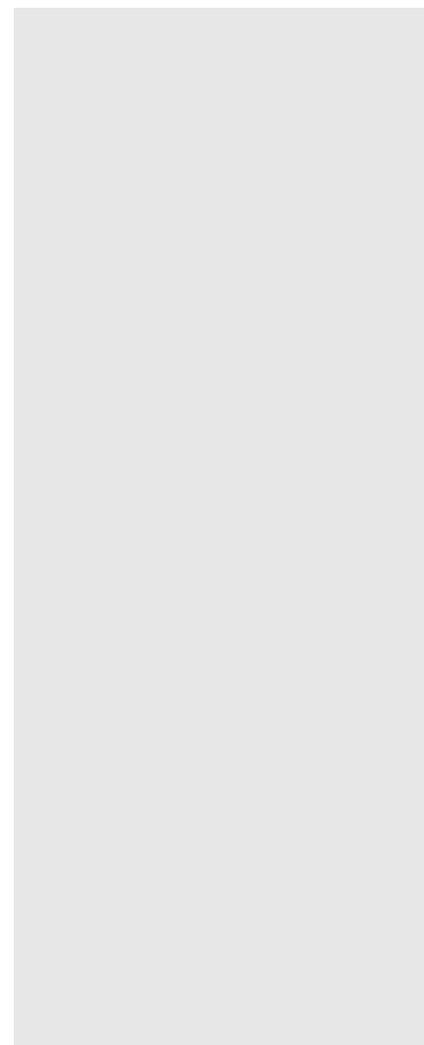
Printing Tasks

Overview

This chapter shows how to print a file in Windows and each property you can change.

Selecting the Printer

Printing a Document

Using Features in the Printer Driver

Selecting the Printer

After installation, the Samsung Software (printer driver), SCX-1000 Series printer is automatically selected as the default printer.
If you, in any reason, want to set the SCX-1000 Series printer as the default printer, follow the procedures as described below:

Setting Your Default Printer

1 Select **Start** → **Settings** → **Printers** from the Windows task bar.

2 Double-click the **SCX-1000 Series** icon.

3 Click **Printer** and select **Set as Default**.

Printing a Document

The following procedure describes the general steps required for printing from various Windows applications.
The steps for printing a document may vary depending on the application program you are using.

1 Start your application you are using to create the document, and open the document you want to print.

2 Select **Print** from the **File** menu.
- You can see the print dialog box for your application.
- The basic print settings you will need are usually selected within this print dialog box.

- To take full advantage of the printer features, click the Properties button.
  For more information about Properties, see 'Using Features in the Printer Driver' on page 5-7.

NOTE Any changes you make in the application apply while it is running. If you want to apply all the changes to every application, use Printers of the Control Pale in Windows Setting.

3 After you have changed settings, click **OK** to start printing.

Continued

Printing a Document

About Printer Control Program Window

When the SCX-1000 Series Control Program on LPT1 window appears, click the appropriate tab for the options.

Starting the SCX-1000 Series Control Program

Select **Start** → **Programs** → **Samsung SCX-1000 Series** → **Printer Control Program** from the Windows task bar.

Using the Status Tab

This tab shows the current printer status.

These images show the amount of ink remaining in each cartridge.

These items provide specific details about the status of your print job.

Click to Cancel Print the current print job.

Click to suspend your print job. Click this button again to resume the paused print job.

Click to print a test page.

Using the Options Tab

This tab allows you to specify the Control Program setup options.

Check this option to prevent the Control Program from appearing on your computer screen each time you send a job to print.

Check this option to close the Control Program when a job has been sent to the printer.

If your system has bi-directional communication problems, error message appears each time you send a job to print. To avoid seeing this message, check this option, or correct the problem.

Check this option if your printer pauses frequently during a print job, and prints pages with alternating bands of light and dark print.
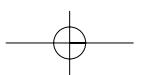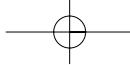
Continued

Printing a Document

Using the Cartridges Tab

This tab allows you to choose cartridge options.
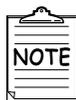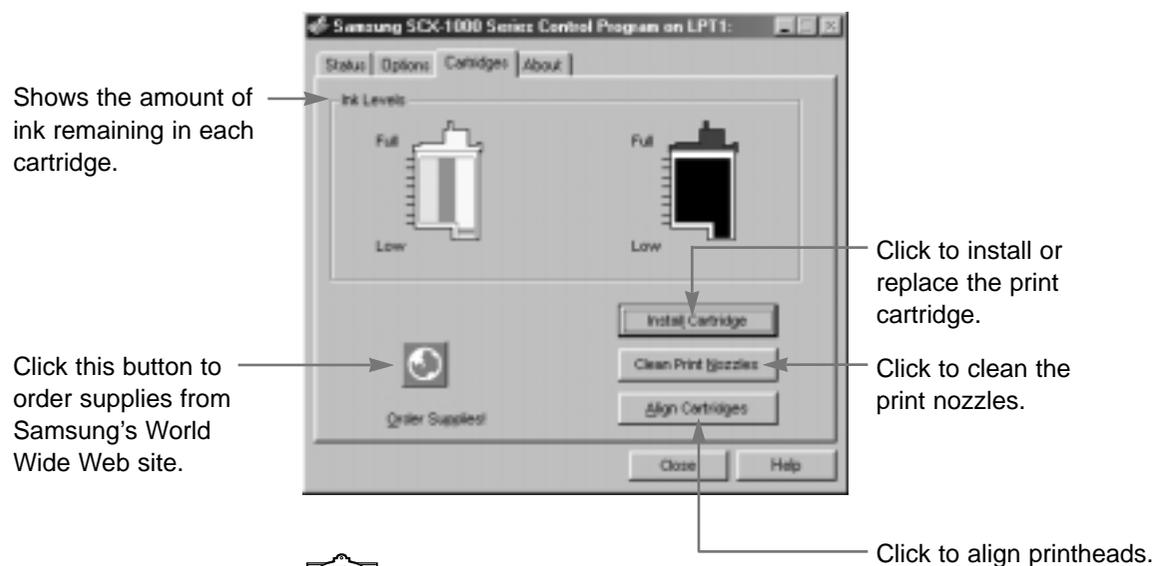
Shows the amount of ink remaining in each cartridge.

Click to install or replace the print cartridge.

Click this button to order supplies from Samsung's World Wide Web site.

Click to clean the print nozzles.

Click to align printheads.

NOTE

For more information about the print cartridge, see Chapter 9.

Chapter 5

Using Features in the Printer Driver

Chapter 5

To take a full advantage of the printer features, be familiar with each property that the printer provides.

1 Select **Start** → **Settings** → **Printers** from the Windows task bar.

2 Double-click the **SCX-1000 Series** icon.

3 Select **Printer** → **Properties**.
The Properties dialog box allows you to access all the information you will need when using your printer.

4 Click the appropriate tab, and then select/deselect the required options.
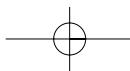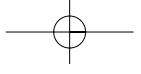
Continued

Using Features in the Printer Driver

Paper Tab

This tab allows you to specify paper size, number of copies, page collation and page orientation.

Copies
Sets the number of copies you want to print.

Collate: If Collate is checked, the printer prints each job again as many times as specified in the Copies field.
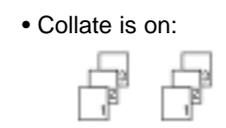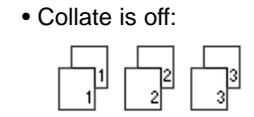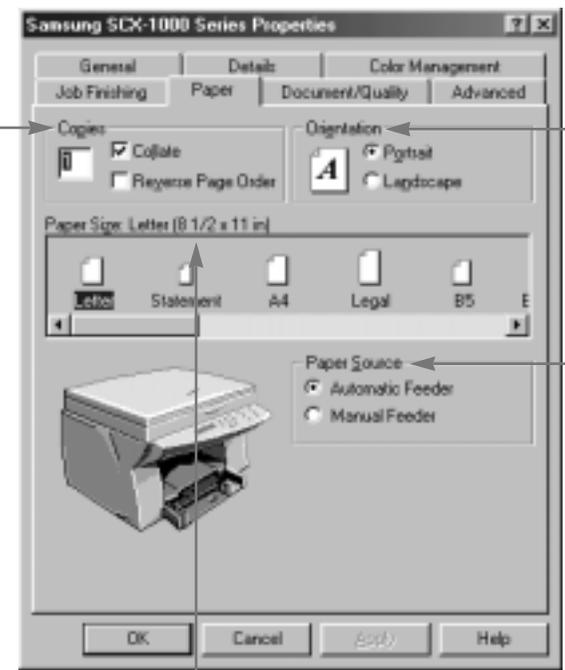
• Collate is off:

• Collate is on:

Reverse Page Order
Check this option to print the last at first.

Orientation
Select the default orientation of the printed page.

Paper Source
The paper source setting identifies the default paper tray.

Paper Size
Use this setting to select the paper size installed in the Paper Tray or Manual Feeder.

NOTE

If you want to know more about each menu, click the **Help** button. The help screen gives detailed information about each menu.

Document/Quality Tab

This tab allows you to specify the document type, paper type and print quality.

Document Types

Automatic: Automatically produces quality printing.

Vivid Color: Produces enhanced colour printing.

Natural Color: Produces photo-realistic natural colour printing.

Black Color: Optimizes black and white printing.

Paper Types
Select the paper type you are feeding.

You can restore all the default settings by clicking **Defaults**.

Print Quality
You can set the resolution for the graphics images.

Click to activate a delay between pages that allows ink to dry.

NOTE

If you want to know more about each menu click on the **Help** button. The help screen gives detailed information about each menu.

Continued

Using Features in the Printer Driver

6
Chapter

Making a Copy
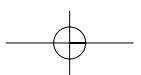
Advanced Tab

This tab allows you to specify the halftone type, and adjust the image brightness, shadow and colour.

Samsung SCX-1000 Series Properties

| General | Details | Color Management |
| Job Finishing | Paper | Document/Quality | Advanced |

Halftone

Line Art   Fine Dither   Air Brush [Speed]

Image

Brightness   0%
Contrast   0%
Saturation   0%
Red Strength   0%
Green Strength   0%
Blue Strength   0%

OK   Cancel   Apply   Help

Halftone
Use the Halftone settings to improve the appearance of pictures and graphics.

Line Art: Generally the best choice for printed text or pen-and-ink drawings.

Fine Dither: Produces fine quality printing.

Air Brush: Produces air brush image printing.

Image
You can adjust image Brightness, Contrast, and colour. Generally, default settings at 0% produce the best image quality.

NOTE

If you want to know more about each menu click the **Help** button. The help screen gives detailed information about each menu.

Overview

This chapter contains information about copying the original, selecting the special copy, and changing the copy setup.
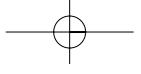
Making a Single Copy

Making Multiple Copies

Changing Copy Setup

Collated Copying

Making a Clone Copy

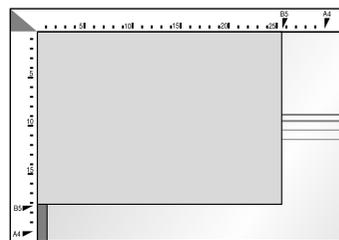**P**rinting Multipage on a Single Page (SCX-1000S only)

Printing Poster
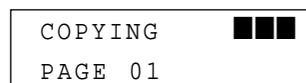
Making a Single Copy

Your printer can copy in black and white or full colour.

1 Place your original face down on the Scanner Bed with the top left of the original towards the green mark (▲), and close the Printer Top Cover.

2 Start copying by doing one of the following:

- Press the **Black** button to make black and white copies.
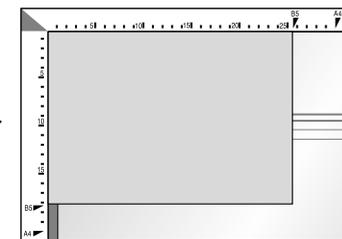- Press the **Color** button to make colour copies.

```
COPYING      ■■■
PAGE 01
```

NOTE To cancel a copy in progress, press the **Stop/Restore** button.

Making Multiple Copies

You can make copies up to 99 via the Control Panel.

1 Place your original face down on the Scanner Bed with the top left of the original towards the green mark (▲), and close the Printer Top Cover.

2 Press the **Copy Page** button.

```
[SET COPY PAGE]
¤ 01 PAGE
```

3 Press ˆ or ¤ until the desired number appears on the display.

```
[SET COPY PAGE]
¤ 04 PAGES
```

- For example, if you select 4, set the pages to 04.
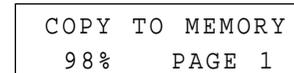
NOTE If you press and hold ˆ or ¤ , the number is increased or decreased by the step of five.
If you press **Copy Page**, the number is increased by ten.

4 Press the **Enter/Select** button to select the new setting.

```
NORMAL    A4
100%      04 PAGES
```

- The selected number appears in the display.

5 Start copying by doing one of the following:

- Press the **Black** button to make black and white copies.

```
COPY TO MEMORY
  98%    PAGE 1
```

The printer copies the document into the memory.

```
PRINTING COPY
COPY 1       PG 1
```

NOTE To cancel a copy in progress press the **Stop/Restore** button.

- Press the **Color** button to make colour copies.

```
COPYING      ■■■
PAGE 01
```
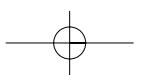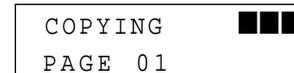
Chapter 6

Changing Copy Setup

Before making copies, you can change the contrast, resolution and scale. Any change will take effective to every copy you will make.

To change Copy Contrast

1) Press the **Contrast** button.

2) Press ˆ or ¤ until the desired setting appears in the display. You may choose NORMAL, LIGHTEN or DARKEN.

3) Press **Enter/Select**.

To change Copy Resolution

1) Press the **Resolution** button.

2) Press ˆ or ¤ until the desired setting appears in the display.
  • You may choose NORMAL, BEST or DRAFT.

3) Press **Enter/Select**.

Chapter 6

To change Copy Size

1) Press the **Zoom Rate** button repeatedly until the desired setting appears in the display.
Or press **Zoom Rate,** ˆ or ¤ to increase/decrease the scale value.

```
  [ZOOM RATE]
¤ NORMAL 100%
```

Whenever you press Zoom Rate, following options display in order.

NORMAL 100%	makes a copy that is the same size as your original.
ENTIRE 91%(ˆ ¤)	reduces your copy slightly to ensure that the whole image, out to all the edges, is copied.
AUTOFIT	pre-scans the original to determine where its edges are, and then reduces or enlarges the original to fit on the paper you are using.
TWICE 200%(ˆ ¤)	enlarges the original to 200%.
MAX 400%(ˆ ¤)	enlarges the original to the highest enlargement percentage.
HALF 50% (ˆ ¤)	reduces the original to 50%.
MIN 25% (ˆ ¤)	reduces the original to the lowest reduction percentage.
CUSTO M 100%(ˆ ¤)	lets you specify an exact reduction or enlargement percentage between 25% and 400%.

3) Press **Enter/Select**.

Chapter 6

Collated Copying

The SCX-1000 Series printer has a collated copying function to sort copies.

NOTE

The copy will be produced as below when collated.

1 Press the **Special Copy** button until **MONO COLLATE** appears in the first row of the display.

```
[MONO COLLATE]
DOCUMENT NO (01)
```

2 Press ˆ or ¤ to enter the number of pages to scan.

3 Choose print order by pressing either **Enter/Select** or **Stop/Restore**.

```
PRINT REV ORDER?
 Y:ENTER N:STOP
```

For example, if you have a three-page job to print and want two copies:

• When the **Enter/Select** button is pressed, the printer prints page 3, page 2, page 1, page 3, page 2, page 1.

• When the **Stop/Restore** button is pressed, the printer prints page 1, page 2, page 3, page 1, page 2, page 3.

4 Press the **Black** button.

NOTE

This feature only allows you to print a document in black and white. You cannot select high quality printing.

5 Lift the Printer Top Cover, and then place your first page face down on the Scanner Bed and close the Printer Top Cover.

6 Press the **Enter/Select** button.

The printer copies the document into the memory.

```
COPY TO MEMORY
 94%     PAGE 1
```

7 Repeat steps 5 and 6 to copy the remaining pages into the memory.

Chapter 6

Making a Clone Copy

Use the CLONE setting to print multi-same image on a single page. For example, 4 IMAGES means four same images are printed on one page.

1 Place your original face down on the Scanner Bed with the top left of the original to the green mark (◣), and close the Printer Top Cover.

2 Press the **Special Copy** button until **CLONE** appears.

```
  [CLONE]
¤ 4 IMAGES
```

3 Press ˆ or ¤ to select the clone number.
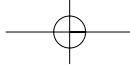
You may choose 4 IMAGES, 9 IMAGES, 16 IMAGES or AUTO 100%.

4 Press the **Enter/Select** button.

```
CLONE COPY READY
PRESS START COPY
```

5 Start copying by doing one of the following:

• Press the **Black** button to make black and white copies.

• Press the **Color** button to make colour copies.

```
COPYING    ■■■
PAGE 01
```

Chapter 6

Printing Multipage on a Single Page (SCX-1000S only)

Use the N-UP COPY to print several pages in a single page.
For example, 2-up means two page images are printed on one page.

1 Press the **Special Copy** button until **N-UP COPY** appears.

```
    [N-UP COPY]
¤ 4  UP
```

2 Press ^ or ¤ to select the number of page images to be put in one page.

3 Press the **Enter/Select** button.

```
4-UP COPY READY
PRESS START COPY
```

4 Start copying by doing one of the following:
- Press the **Black** button to make black and white copies.
- Press the **Color** button to make colour copies.

5 Lift the Printer Top Cover, and then place your first page face down on the Scanner Bed and close the Printer Top Cover.

```
LOAD DOCUMENT 1
& PRESS ENTER
```

6 Press the **Enter/Select** button.

The printer copies the document into the memory.

7 Repeat steps 5 and 6 for the remaining pages.

The printer prints multiple page images on a single page.

Printing Poster

This feature allows you to print a single page image on 4, 9 or 16 pages, which can be pasted together to form one poster size image.

1 Place your original face down on the Scanner Bed with the top left of the original to the green mark (◣), and close the Printer Top Cover.

2 Press the **Special Copy** button until **POSTER COPY** appears.

```
[POSTER COPY]
¤ 4 PAGES
```

**3** Press ^ or ¤ to select the number of the pages, which can be divided.

'4 PAGES' means a single page image is printed on four pages, and '9 PAGES' means a single page image is printed on nine pages.

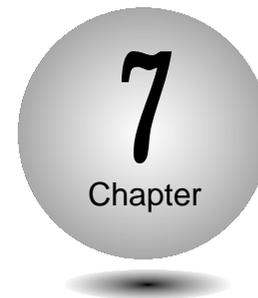**4** Press the **Enter/Select** button to confirm your selection.

```
4 PAGES COPY RDY
PRESS START COPY
```

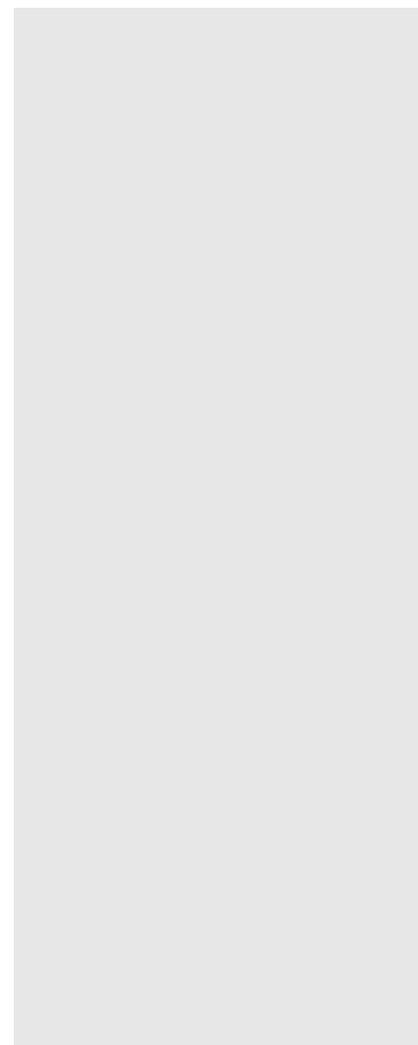**5** Start copying by doing one of the following:
- Press the **Black** button to make black and white copies.
- Press the **Color** button to make colour copies.

Memo

7
Chapter
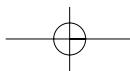
SCX-1000S
ONLY

Smart Media Function

(SCX-1000S only)

Overview

This function is only applied to printers with the
Smart Media Function (SCX-1000S only).

This chapter provides the following information:

About Smart Media Card

Printing Images

Selecting Print Mode

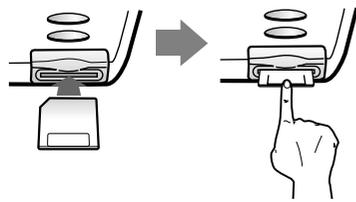**D**eleting Images

Storing Images

Chapter 7

About Smart Media Card

The Smart Media Card is one-third the size of a standard credit card and extremely slim. Therefore, you can carry it easily in a wallet, and have convenient access to your data anywhere and at anytime.
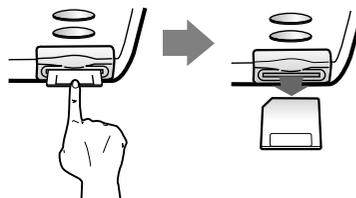
Inserting and Removing Cards

Insert a card
Put the card into the slot with its copper contact area face down and chamfer side at left until it snaps.

Remove a card
Push the card slightly then it is partially ejected.
Pull it out of the slot.

Card care and Storage

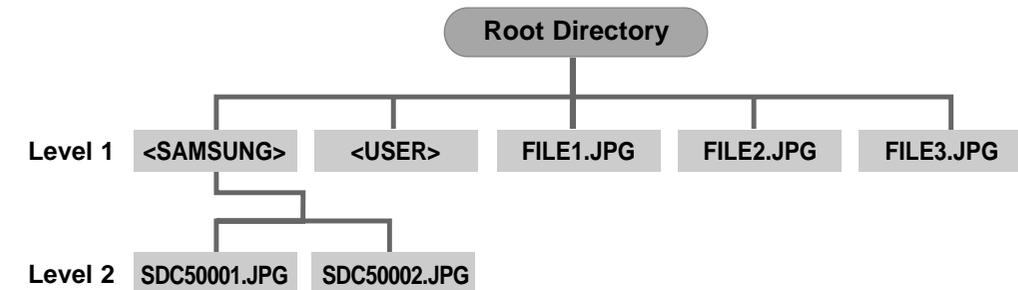**Follow the directions for continued high quality images from the card.**

• To prevent deleting the images on the card, adhere the sticker to the indicated part of the circle.

• Store the card in the original case if it will not be used for a long period of time.

• Do not touch the copper contact area.
  The card is easily damaged by static electricity.

• Back up important data onto another medium (floppy disk, hard disk, etc.)
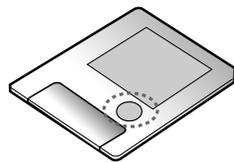
IMPORTANT To create a folder on Smart Media Card, you have to use the SmartMedia Manager in SmarThru 2.

Selecting the file stored on the Smart Media Card

Note that following illustration and example show when you print images captured by a Samsung digital camera.

Root Directory

Level 1 <SAMSUNG> <USER> FILE1.JPG FILE2.JPG FILE3.JPG

Level 2 SDC50001.JPG SDC50002.JPG

To select and print FILE2.JPG in level 1

1. Press the **Print** button.
2. Press ^ or ¤ until **ONE IMAGE** appears in the second row of the display.
3. Press the **Enter/Select** button.
4. Press ^ or ¤ to find FILE2.JPG.
5. Press **Enter/Select** when *FILE2.JPG* appears.

```
[ PRINT MODE ]
¤ ONE IMAGE
```
```
SELECT IMAGE
<SAMSUNG>
```
```
SELECT IMAGE
FILE2.JPG
```
```
PROCESSING ■■■
FILE2.JPG
```

```
[PRINT MODE]
¤ ONE IMAGE
```
```
SELECT IMAGE
<SAMSUNG>
```
```
SELECT IMAGE
SDC50002.JPG
```
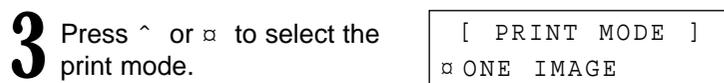```
PROCESSING ■■■
SDC50002.JPG
```

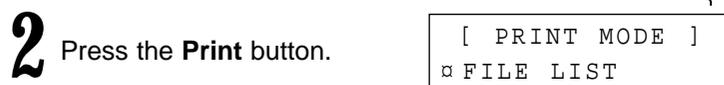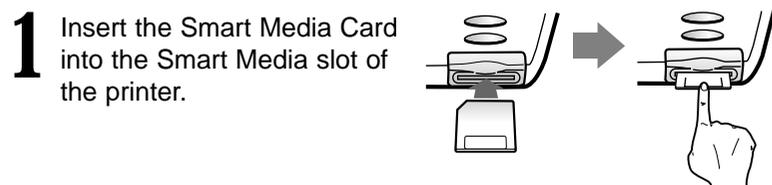### *To select and print SDC50002.JPG in level 2*

1. Press the **Print** button.
2. Press ^ or ¤ until **ONE IMAGE** appears in the second row of the display.
3. Press the **Enter/Select** button.
4. Press ^ or ¤ to find SAMSUNG folder.
5. Press **Enter/Select** when *<SAMSUNG>* appears.
6. Press ^ or ¤ to find SDC50002.JPG.
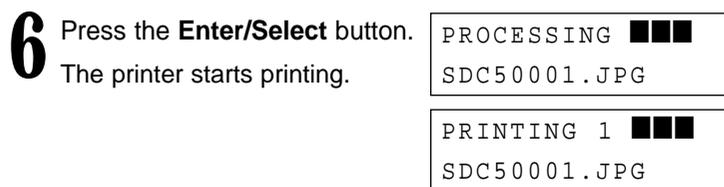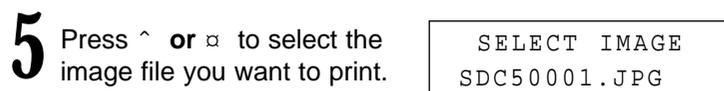7. Press **Enter/Select** when *SDC50002.JPG* appears.
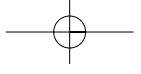
Printing Images

You can print images captured on digital cameras.
Since everything is saved on a Smart Media Card, you can print
images and make copies without a direct link to a PC.

1 Insert the Smart Media Card into the Smart Media slot of the printer.

2 Press the **Print** button.

```
[ PRINT MODE ]
¤ FILE LIST
```

3 Press ^ or ¤ to select the print mode.

```
[ PRINT MODE ]
¤ ONE IMAGE
```

FILE LIST	The printer prints a list of all files stored in the directory of the Smart Media Card.
THUMBNAIL	The printer reduces and prints all of the images stored on the Smart Media Card.
ONE IMAGE	The printer prints only one image.
ALL IMAGES	The printer prints all of the images stored in a directory of the Smart Media Card.

4 Press the **Enter/Select** button.
The name surrounded by < > indicates that it is a directory.

```
SELECT IMAGE
<SAMSUNG>
```

5 Press ^ **or** ¤ to select the image file you want to print.

```
SELECT IMAGE
SDC50001.JPG
```

6 Press the **Enter/Select** button.
The printer starts printing.

```
PROCESSING ■■■
SDC50001.JPG
```
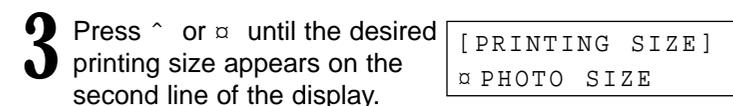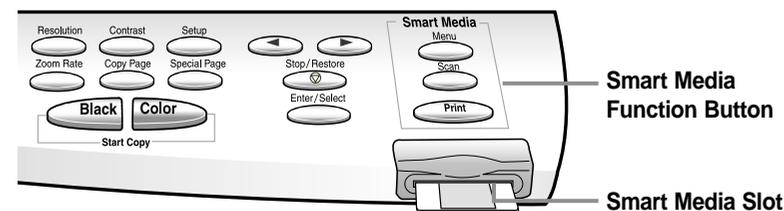
```
PRINTING 1 ■■■
SDC50001.JPG
```

NOTE

This printer can only print standard JPEG files (24 bit True Colour). You can easily print images from the File List or Thumbnails. (If the image file is not a JPEG file or a JPEG standard file is damaged, ⊠ appears instead of image.)

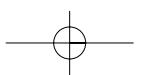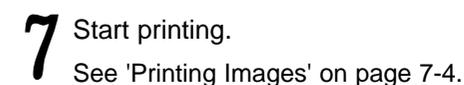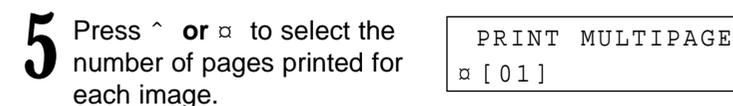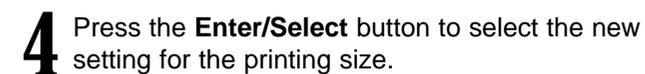**T**o change the printing size, see 'Selecting Print Mode' on page 7-5.

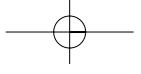**T**o Select the number of copies printed for each image, see 'Selecting Print Mode' on page 7-5.

Selecting Print Mode

Using the Smart Media Card slot, the printer can print images from digital cameras in various sizes.

Smart Media Function Button

Smart Media Slot

1 Press the **Menu** button.

2 If **PRINT MODE** appears in the first row of the display, press the **Enter/Select** button.

```
[ PRINT MODE ]
¤ PRINTING SIZE
```

3 Press ^ or ¤ until the desired printing size appears on the second line of the display.

```
[PRINTING SIZE]
¤ PHOTO SIZE
```

PHOTO SIZE	The printer prints images as photo size.
PAPER SIZE	The printer prints images as selected paper size.
4 CLONE	The printer prints four same images on one page.
9 CLONE	The printer prints nine same images on one page.
16 CLONE	The printer prints 16 same images on one page.

4 Press the **Enter/Select** button to select the new setting for the printing size.

5 Press ^ **or** ¤ to select the number of pages printed for each image.

```
PRINT MULTIPAGE
¤ [01]
```

6 Press the **Enter/Select** button to select the new setting.

7 Start printing.
See 'Printing Images' on page 7-4.

Chapter 7

Deleting Images

You can easily delete images stored on the Smart Media Card.

Smart Media Function Button
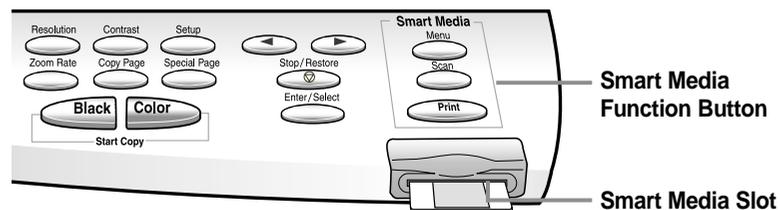
Smart Media Slot

To delete a image file from the Smart Media card

1 Insert the Smart Media Card into the Smart Media slot of the printer.

2 Press the **Menu** button until **CARD CONTROL** appears in the first row of the display.

```
[CARD CONTROL]
¤ DELETE ONE IMG
```
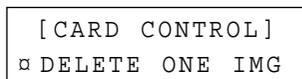
3 Press ^ or ¤ until the desired deleting mode appears in the second line of the display.

```
[CARD CONTROL]
¤ DELETE ALL IMG
```

`DELETE ONE IMG` means one selected image is deleted.

`DELETE ALL IMG` means all images are deleted.

`DELETE DIR` means the selected directory is deleted.
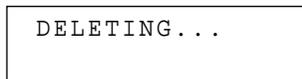
`FORMAT` means the card is to be formatted.

4 Press the **Enter/Select** button to select the new setting.

5 Press ^ or ¤ to select the file you want to delete.

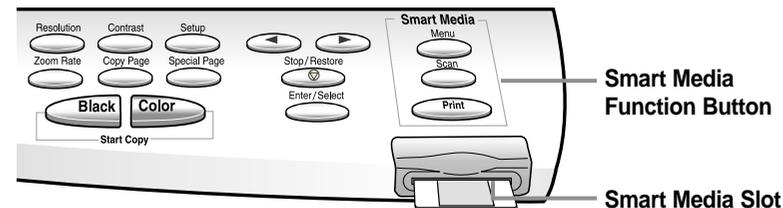```
    DELETE
SDS00001.JPG
```

**NOTE** For more information about image file selection, see 'Selecting the file Stored on Smart Media Card' on page 7-3.

**6** Press the **Enter/Select** button. The selected file is deleted.

```
DELETING...
```

Chapter 7

Storing Images

You can store the scanned images on the Smart Media Card.

Smart Media Function Button
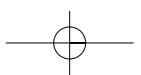
Smart Media Slot

1 Place your original face down on the Scanner Bed with the top left of the original to the green mark (▲), and close the Printer Top Cover.

2 Press the **Scan** button to start scanning.

```
SCANNING ■■■
```

Scanned image is automatically stored onto the Smart Media Card.

```
PROCESSING ■■■
SDC50001.JPG
```

Chapter 7

Memo

8
Chapter
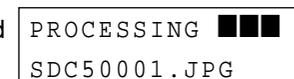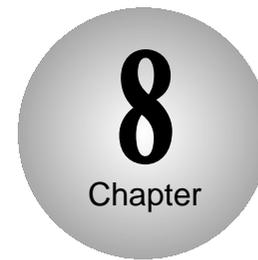
Changing Printer Setting
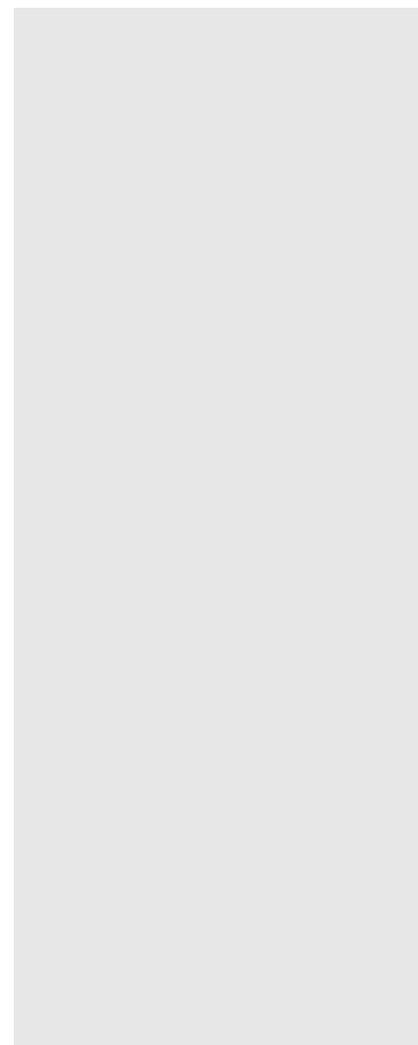
Overview

This chapter provides the following information:

Selecting the Paper Size

Selecting the Paper Type

Selecting the Paper Size

It is important to select the correct paper size from the setup
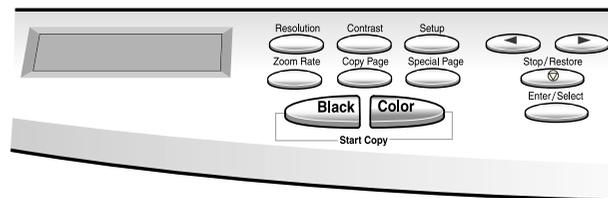when using the input tray.
See tables beginning on page 4-2 for a list of the dimensions for
each paper and envelope size.

1 Press the **Setup** button
repeatedly until **PAPER SIZE**
appears.

```
[PAPER SIZE]
¤ A4
```

2 Press ˆ or ¤ until the desired paper size appears in the
second row of the display.

3 Press the **Enter/Select** button.

```
NORMAL   LETTER
100%     01 PAGES
```

**The selected paper size
appears in the display.**

NOTE For more information about paper size, see 'Print Media'
in Chapter 4.

Selecting the Paper Type

The Paper Type Setting lets you specify the type of print media
installed in the Paper Input Tray.
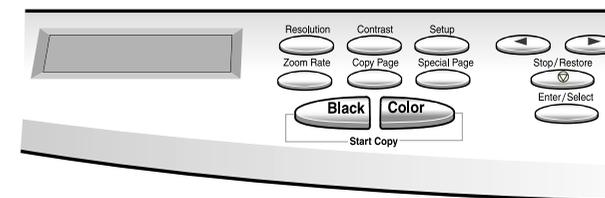
1 Press the **Setup** button until
PAPER TYPE appears.

```
[PAPER TYPE]
¤ PLAIN
```

2 Press ˆ or ¤ until the desired paper type appears in the
second row of the display.

3 Press the **Enter/Select** button.

Chapter 8

Memo

9
Chapter

Maintaining Your Printer
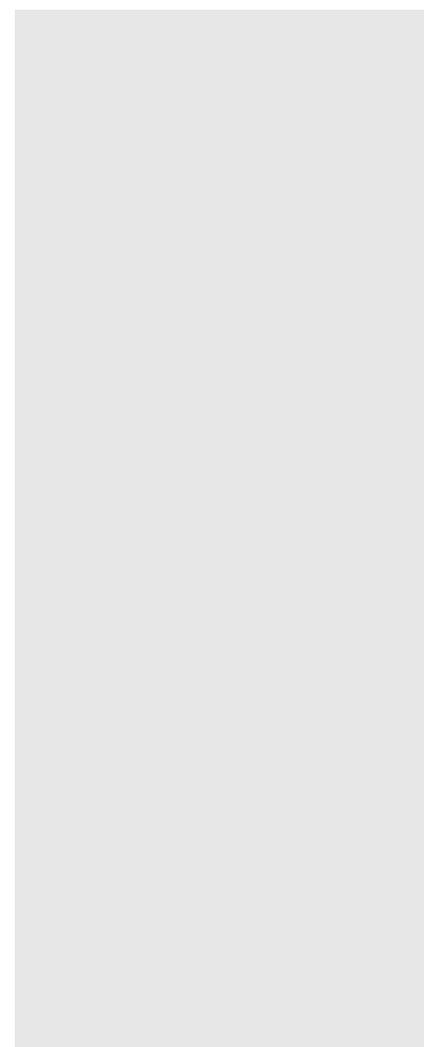
Overview

You will need to replace and clean print cartridges in your printer in order to maintain optimum print capabilities.
This chapter provides information about maintaining your printer.

Replacing Print Cartridge

Aligning Print Cartridge

Cleaning Your Printer

Cleaning the Print Cartridge Carrier Contacts

Printing the Help List

Restoring the Menu to the Default Setting

Replacing Print Cartridge

The following sections take you through the process of replacing the print cartridges.

To remove the print cartridge

1) Lift the Printer Top Cover and support it with the Cartridge Compartment Cover.

2) Complete the following steps to move the Print Cartridge Carrier into the installation position.

   a) Press **Setup** repeatedly until **CARTRIDGE** appears in the display.

   b) Press ˆ or ¤ until **CHANGE CAR.** appears in the second row of the display.

   c) Press **Enter/Select**.

   The print cartridge carrier moves to the far left side of the printer.

   CAUTION Do not pull the Print Cartridge Carrier by hand.

3) Pull forward on the print cartridge until it releases from the Print Cartridge Carrier.

4) Pull up the print cartridge to remove it.

To install the print cartridge

Continue from step 4 of 'Installing the Print Cartridges' on page 2-10 .

Aligning Print Cartridge

For optimal printing you should align the print cartridge. If you replace print cartridges, your printer automatically prints an alignment test page. If you need to print an alignment test page, complete the following steps:

1 Press the **Setup** button until **CARTRIDGE** appears in the display.

```
   [CARTRIDGE]
¤ CHANGE CAR.
```

2 Press ˆ or ¤ until **ALIGN CAR.** appears in the second row of the display.

```
   [CARTRIDGE]
¤ ALIGN CAR.
```

3 Press the **Enter/Select** button.

The printer automatically prints an alignment test page.

```
PRINTING    ■■■
```

4 Enter the alignment value. Once the cartridge alignment test page has printed the display looks like the one at left.

```
 ALIGN CARTRIDGE
¤ 13  [00-30]   A
```

5 Continue with 'To change the alignment value' on page 2-15.

Chapter 9

Cleaning Your Printer

The following sections take you through the process of cleaning
the print cartridge printheads.

To clean the printheads

Run **CLEAN CAR.** to clean the printheads.
A test line prints so that you can see if the cleaning process was
successful.

Clean the printheads:
• When you suspect the printheads are clogged.
• When characters are not printing completely.

1) Press the **Setup** button until
CARTRIDGE appears in the display.

```
[CARTRIDGE]
¤ CHANGE CAR.
```

2) Press ˆ or ¤ until **CLEAN CAR.**
appears in the second row of the
display.

```
[CARTRIDGE]
¤ CLEAN CAR.
```

3) Press the **Enter/Select** button.
The printer prints the printheads
cleaning test page.

```
PRINTING      ■■■
```

4) If the printheads cleaning test
page still contains broken lines,
see 'To Wipe the
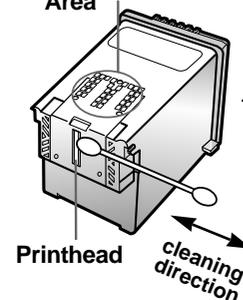printheads' on page 9-5.

NOTE The printer returns to Ready Mode after
the test page.

To wipe the printheads

1) Remove the print cartridge from the printer.
If you need help, see 'To Remove the Print
Cartridge' on page 9-2.

**Copper Contact
Area**

2) Use a clean, damp cloth to gently wipe
the entire copper contact area and the
printheads as shown.

3) Allow the copper contact area to dry.

Printhead **cleaning
direction**

NOTE

When cleaning
the colour print
cartridge wipe
the printheads
in one direction
so the colours
do not mix.

4) Reinstall the print cartridges.
If you need help, see 'Installing the Print Cartridges' on page 2-10.

5) Close the Scanner Bed.

6) Repeat the cleaning printheads test.
If you need help, see 'To clean the printheads' on page 9-4.

7) If the cleaning printheads test page still contains broken lines,
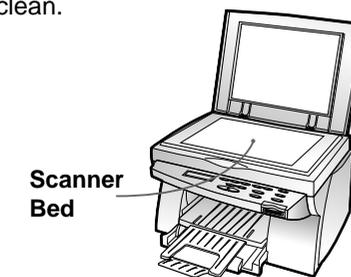see 'Cleaning the Print Cartridge Carrier Contacts' on page 9-6.

To clean the Scanner Bed

The printer slows down copying and scanning performance if the
Scanner Bed is dirty. Keep the bed clean.

1) Unplug the power cord.

2) Lift the Printer Top Cover.

3) Use a clean, damp cloth to
clean the bed.

**Scanner
Bed**

Cleaning the Print Cartridge Carrier Contacts

Clean the Print Cartridge Carrier Contacts only if you have run the printheads cleaning test, wiped the printheads, and print quality is not satisfactory.

1 Remove the print cartridge from the printer.
If you need help, see 'To Remove the Print Cartridge' on page 9-2.

2 Use a clean, dry cloth to clean the Cartridge Carrier Contacts inside the Print Cartridge Carrier.

Cartridge Carrier Contacts
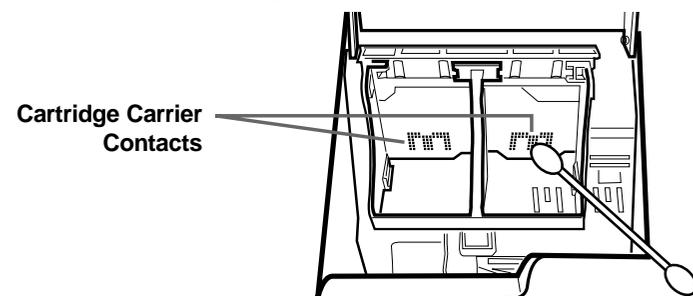
3 Reinstall the print cartridge.
If you need help, see 'Installing the Print Cartridges' on page 2-10.

4 Close the Scanner Bed.

If the print quality is not improved after this cleaning process, replace the print cartridges you are currently using with new ones. For more information, see 'Replacing Print Cartridge' on page 9-2.

Printing the Help List

The Help list contains the information about all of the functions currently available.

1 Press the **Setup** button until **MAINTENANCE** appears in the display.

```
[MAINTENANCE]
¤ HELP LIST
```

2 Press the **Enter/Select** button when **HELP LIST** appears on the second line of the display.

```
PRINTING     ■■■
```

The printer prints the Help list.

Chapter 9

Restoring the Menu to the Default Setting

To disable the menus so that changes cannot be made to the printer default setting:

To restore factory defaults

1 Press the **Setup** button until **MAINTENANCE** appears in the display.

```
[MAINTENANCE]
¤ HELP  LIST
```

2 Press ˆ or ¤ until **RESTORE DEFAULT** appears in the second row of the display.

```
[MAINTENANCE]
¤ RESTORE  DEFAULT
```

3 Press the **Enter/Select** button.

The printer restores the factory default.

```
COMPLETED!!
DEFAULT  SETTINGS
```

```
NORMAL   A4
100%     01 PAGES
```

10
Chapter

Troubleshooting

Overview

Most printer problems can be easily solved by going through simple check lists and tests.
The most frequent problems have been divided into several categories, as listed below.

Clearing paper Jams

Error Messages

General Printing Problems

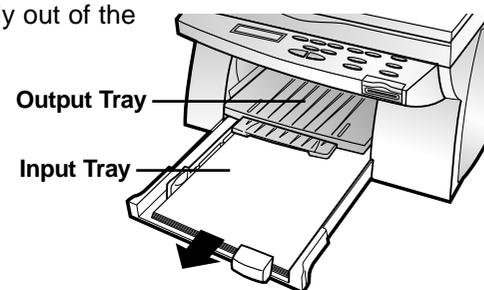**P**oor Print Quality

Scanning Problems

OCR Problems

Chapter 10

Clearing Paper Jams

By carefully selecting print media and loading them properly,
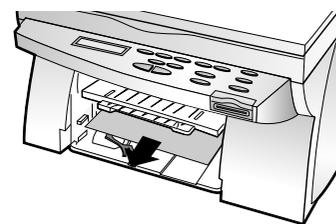you should be able to avoid most paper jams.

Paper jams while the printer is feeding

1 Pull the Input Tray completely out of the printer.

Output Tray

Input Tray

2 Lift the Output Tray.

3 Pull the paper up and toward you to remove it.

4 Press the **Stop/Restore** button. The error message disappears.
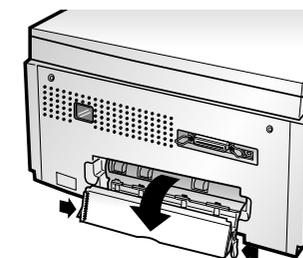
```
REMOVE PAPER JAM
THEN PRESS STOP
```

5 Replace the Input Tray and lower the Output Tray.

NOTE
- If you cannot get a firm grasp on the jammed paper, it may be easier to remove it from the Rear Cover. See 'Paper jams while printing' on page 10-3 for more information.
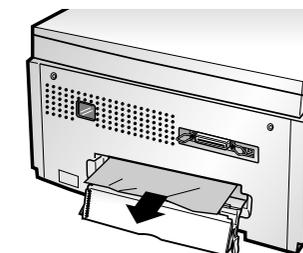
Paper jams while printing

1 Open the Rear Cover by pushing the metal clips at each end of the cover.

2 Pull the paper out gently and slowly.

3 Push on the Rear Cover until it snaps into place.

4 Press the **Stop/Restore** button. The error message disappears.

```
REMOVE PAPER JAM
THEN PRESS STOP
```

Cleaning Paper Jams

Tips for Avoiding Paper Jams

If jams occur frequently, make sure you are following these tips to avoid jams :

- Follow the procedures in 'Loading paper into the Input Tray' on page 2-8 to load paper properly.
- Do not overload the Input Tray. Never exceed the maximum capacity of 150 sheets of paper in the tray.
- When using the Manual Feeder, feed only one sheet of print media at a time.
- Do not remove the Input Tray while the printer is printing.
- Flex, fan, and straighten the paper before loading it.
- Do not load wrinkled, creased, damp, or highly curled paper.
- Do not mix paper types.
- Make sure the recommended print side is face down for printing.
- Store print media in an acceptable environment.

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Error Messages

The following table explains the various messages that may appear on your printer display.

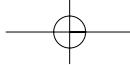| Message	Meaning and Required Action
CHECK PAPER THEN PRESS STOP	Press the **Stop/Restore** button after loading the paper in the Input Tray.
REMOVE PAPER JAM THEN PRESS STOP	The printer detects a paper jam. Remove the jammed paper and press the **Stop/Restore** button. See 'Clearing paper jams' on page 10-2.
DOCUMENT IS BIG SET SMALL CLONE	The original size is too big, so that the printer cannot print the **multi-same** images on a single page.
CANCEL COLLATE ? Y:ENTER N:STOP	The printer lacks the memory for collation. To cancel the job, press **Enter/Select**. To continue collating, press **Stop/Restore**.
RESUME POSTER ? Y:ENTER N:STOP	The printer ran out of paper in POSTER COPY. Install the paper and press **Enter/Select** to continue, or press **Stop/Restore** to cancel it.
MEMORY FULL...	The printer lacks the memory.
PC SCANNING...	The printer is scanning from your PC.
PC PRINTING...	The printer is printing a job received from your PC.
ALL CAR. EMPTY	The Black and Colour cartridges are not installed or improperly installed in the Print Cartridge Carrier.

Error Messages

Message	Meaning and Required Action
RIGHT CAR. EMPTY	The Black or Photo cartridge is not installed or improperly installed in the Print Cartridge Carrier.
LEFT CAR. EMPTY	The Colour cartridge is not installed or improperly installed in the Print Cartridge Carrier.
CHECK CARTRIDGE	Check the print cartridge to make sure that it is properly installed in the print cartridge carrier. See 'Installing the print cartridges' on page 2-10 for more information.
PLEASE CHANGE PHOTO CARTRIDGE	Change the Photo cartridge with the Black cartridge.
SYSTEM ERROR	The system error occurs to the printer, so that the printer cannot print continually.
REMOVE PAPER JAM THEN PRESS STOP	Remove the jammed paper and press the **Stop/Restore** button.
PRESS STOP TO CLEAR SYSTEM ERR	Press the **Stop/Restore** button.
SYSTEM INITIAL.. PLEASE WAIT	This message means the printer is returned to normal.

Smart Media messages

Message	Meaning and Required Action
SMARTMEDIA CARD CHECKING...	This message is displayed when the Smart Media Card is inserted into the slot.
SMARTMEDIA CARD REMOVED...	This message is displayed when the Smart Media Card is removed from the slot.
INSERT CARD WITH METAL SIDE DOWN	The Smart Media Card is not installed correctly. See 'About Smart Media Card' on page 7-2 for more information.
PC UPLOADING...	The images on the Smart Media card are uploading into your PC.
PC DOWNLOADING..	The images are downloading from your PC into the Smart Media Card.
FORMATTING... SMARTMEDIA CARD	The Smart Media Card is formatted.

**NOTE**   The Smart Media Card is only relevant to the SCX-1000S.

Continued

Smart Media messages *Continued*

Message	Meaning and Required Action
NOT FORMATTED	If the Smart Media Card is not formatted, the message is displayed for about 2 seconds.
FORMAT Y:ENTER N:STOP	To format the Smart Media Card, press Enter/Select. Press **Stop/Restore** if you do not wish to format.
INSERT A4/LETTER THEN PRESS ENTER	If the printer prints images in thumbnails, load A4 or Letter size paper into the Input Tray and press the **Enter/Select**.
SMARTMEDIA CARD NO FILE/DIR	Check the file or directory stored on the Smart Media Card.
FILE NOT FOUND	There is no image file stored on the Smart Media card but you tried to print it.
DIRECTORY NOT EMPTY	The directory has a file or more. To delete it, you have to delete all files under that directory.
ALREADY LOCKED CHECK CARD	Check that the write-protect sticker is adhered on the Smart Media Card.
SMARTMEDIA CARD MEMORY FULL	The printer is storing the job on the Smart Media Card, but the memory used to store the images is full. Delete unnecessary files.

Smart Media messages *Continued*

Message	Meaning and Required Action
FILE FORMAT ERR CHECK FILE	The printer is processing the file from the Smart Media Card, but an error occurs. *1)* Check that the Smart Media Card is inserted correctly *2)* Check that the file you want to print is a JPEG standard file (24 bit True Colour). The printer can print only JPEG Standard files.
SMARTMEDIA ERROR CHECK CARD	The printer cannot process the file or directory stored on the Smart Media Card. *1)* Check that the Smart Media Card is inserted correctly. *2)* Remove the Smart Media Card, and then insert it again. *3)* Unplug the power cord, and then plug in it again.
JPEG FILE SIZE IS BIG	The size of JPEG Standard file is too big to process. The file size should be smaller than 3MB for thumbnail and 5MB for image printing.
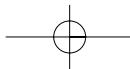
General Printing Problems

Selecting the Default Printer

If you did not select this printer as the default, you'd better select it as the default printer before attempting to print a document.

To set the default printer, proceed as follows:

1) Select **Start** → **Settings** → **Printers** from the Windows task bar.

2) Double-click the **Samsung SCX-1000 Series** icon.

3) Select **File** → **Default Printer**.

Problem	Cause & Solution
The printer does not print	• Check if the power cord is plugged in. • The printer cable is not connected properly. • The printer cable is defective. Check the cable and replace it, if necessary. • The printer port is configured incorrectly. Check Pinter Setting in Windows to make sure that the print job is being sent to the correct port (for example, LPT1). • A paper jam has occurred. Remove the jammed paper. • This printer is not selected as the default. Check the default printer. • The printer driver may be incorrectly installed. Remove the existing printer driver, and re-install the printer driver.
Printer prints, but no characters appear	• Make sure the tape is removed from the printhead. See 'Installing the Print Cartridges' on page 2-10 for more information. • Check the print cartridges to be sure they are correctly installed. See 'Installing the Print Cartridges' on page 2-10 for more information. • Check to see if the print cartridge ink is low or empty. • Make sure print media is loaded in the printer.

Problem	Cause & Solution
The paper does not feed into the printer	• Make sure the print media is loaded correctly. Remove and re-insert paper correctly. • There is too many sheets in the Input Tray. Remove some papers. • Do not mix paper types.
The data does not print correctly	• The printer cable is not connected properly. • The printer driver may be incorrectly installed. Remove the existing printer driver, and re-install it.
Printing is too slow	• Adjust the print quality setting. • Graphics print more slowly than text. • Colour prints more slowly than black and white. • Special media prints more slowly than plain paper. • Another running application affects print speed. Close the running program if not required.

Print Quality Problems

Problem	Cause & Solution
Print is too light or blurred	• Make sure the **Print Quality** setting is set to Normal. See **Print Quality** on page 5-9 for more information. • Check to see if the print cartridge ink is low or empty. • If you are printing on an uneven print surface, change the **paper type** setting. • If there is a recommended print size for the paper, load the proper paper. • Clean the printheads. If the printhead cleaning test page still contains broken lines, clean the Print Cartridge Carrier Contacts.
Characters print askew	• Align the print cartridge. • Adjust the **Print Quality** to Normal.
Characters print with White lines	• Check to see if the print cartridge ink is low or empty. • Remove and re-install one of the print cartridges. See 'Replacing Print Cartridges' on page 9-2 for more information. • Clean the printheads. If the cleaning printheads test page still contains broken lines, clean the Print Cartridge Carrier Contacts.
Incorrect character print	• This printer is not selected as the default. Check the default printer. • Make sure you are using the correct cable. Use IEEE-1284 compliant parallel cable.

Problem	Cause & Solution
Entire page is white	• The page layout is too complex. Simplify the page layout. Delete any unnecessary graphics. • Check the paper orientation. • Make sure the paper size is set correctly. • Make sure you are using the correct cable; IEEE-1284 compliant parallel cable. • Load the correct paper in the printer or change the paper size in the Print Setup dialog box.
Printed colour does not match screen colour	• The ink in the colour cartridge is too low. Replace the colour print cartridge. • Clean the printheads.
Black and White is printing instead of colour	• Make sure the **Document Type** is set correctly. • The black print cartridge may be installed in the colour Carrier Slot. Replace with the colour print cartridge.
Colour print quality is poor	• Make sure the **Paper Type** is appropriate for the paper you loaded. • Change the **Print Quality** to **High** or **Normal**. • If there is a recommended print side for the paper, load the paper correctly.

Scanning Problems

Problem	Cause & Solution
The printer does not scan	• Make sure your original is placed face down on the Scanner Bed. • Make sure the printer cable is connected properly. • The printer lacks the memory for scanning. • The printer cable is defective. If necessary, replace the cable.
The printer scans very slowly	• Graphics are scanned more slowly than text. • Communication speed becomes slow in scan mode because a lot of memory is required to analyze and reproduce the scan image. Set your computer to ECP mode through BIOS setting. It will help to increase the speed. For details on how to set BIOS, refer to the document of your computer. • Close the unnecessarily running program.
'Scanner is busy receiving or printing data. When the current job is completed, try again' message appears on the screen	Your scanner may be used for scanning and faxing. When the current job is completed, try again.
'The selected port is currently being used. Restart your computer and try again' message appears on the screen	Scan error occurred and the scanning has not been completed properly. Restart your computer and try again.

Problem	Cause & Solution
'The scanner driver is not installed or an operation environment is not set up properly. Re-install the scanner driver and try again' message appears on the screen	File setting required for I/O may not be proper. Follow the instructions below : *1)* Start your windows. *2)* Select **Run** from **Start** menu. *3)* Type **sysedit**, then click **OK**. *4)* Select SYSTEM.INI file, and set the file as shown below. . [386 Enh] . device = vecp.386 . LPT1TurnAroundDelay = 50 *5)* Restart your Windows.
'Port is disabled. Check if the port is properly connected, or power is on. Then restart your computer' message appears on the screen	I/O error occurs during scanning. Check the basic cable and the cable connection. If you still have the same message, open the system.ini file in the windows directory as described above, and increase the time as much as required in increments of 10.
'Memory is not enough to save the scan image. Exit all applications if not required, then try again after memory becomes available' message appears on the screen	There is not enough memory to save the scan image. Exit all applications currently open, if not required, in order to save memory.

Scanning Problems

Problem	Cause & Solution
'Scanning has failed. Restart your scanner and try again' message appears on the screen	Scan error occurs. Turn the printer off and back on. If you still have the same problem, restart your computer.
After scanning, scan program is not closed	If Samsung TWAIN UI is used for scanning, you must close the Samsung TWAIN UI program.
Part of data is not automatically scanned	Match scan area of the image being scanned to the data size.

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OCR Problems

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Problem	Cause & Solution
The recognized page contains many unrecognized words	• The original document is scanned with improper brightness or too low resolution. Adjust the scanning brightness to medium in your scanning application. • The original document contains wrong text language. You can recognize English text only. • You have set wrong text type. Text type is set in the AnyPage Lite system automatically. But if you have to recognize typewritten or matrix printer texts, set the corresponding text type to increase recognition accuracy. Do not forget to set the switch back to **Auto** position if you are recognizing text, which are neither typed on a typewriter nor printed on matrix printer in draft mode.
The result of automatic segmentation is not correct	In most cases the system analyzes text layout successfully. But if there are mistakes, you can mark blocks manually.
The system does not load your image file	You may be trying to load an image file of a format not supported in AnyPage Lite. • AnyPage Lite can load image files in the following formats: BMP, PCX, DCX, JPEG, TIFF. • AnyPage Lite can save images in the following formats: BMP, PCX, JPEG, TIFF.
Scanning is not achieved in AnyPage Lite.	• AnyPage Lite does not offer the scan feature. It provides only the recognizing feature of the scanned image.

Memo

Appendix

Specifications

General Specifications

Item	specification	
Rated AC power input	110 ~240V AC (Universal)	
Average power consumption	Under 15W (Standby) Under 35W (Operation Mode)	
Machine Size	444 x 369 x 258 mm	
Machine Weight	7.8 kg	
Operating Condition	Temperature	5~40°C (40~104°F)
	Humidity	20% RH ~ 80% RH
Recommended Operating Condition	Temperature	16~32°C (60~90°F)
	Humidity	40% RH ~ 70% RH
Ink Cartridge	See page 2-15 for part numbers	
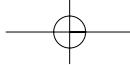
Printer

Item		specification
Technology		Colour Thermal Inkjet
Engine Type		2-pen (K and CMY)
Operating System		Windows 95/98/NT 4.0 (See page 2-18)
Interface		IEEE 1284 (ECP Support), USB (Windows 98 only, without HUB Mode)
Emulation		HBP (GDI)
Print Speed	Mono	9 ppm draft, 7 ppm normal
	Colour	4.5 ppm draft, 2 ppm normal
Print Resolution (H x V)	Draft	300 x 600 dpi
	Normal	600 x 600 dpi
	Best	1200 x 1200 dpi
Maximum Paper Size		A4 (210 mm x 297 mm), See page 4-2 for paper sizes
Effective Printing Width		203 ± 1 mm
Output Tray Capacity		Maximum 50 sheets
Input Paper Capacity		Maximum 150 sheets
Maximum Printer Cable Length		6 ft. / 1.8 m.

Scanner

Item	specification
Compatibility	TWAIN Standard
Device	Platen Color CIS (Contact Image Sensor)
Scanning Area	Max (216 x 297 mm) Effective (210 x 291 mm)
Colour Depth	Internal 30 bit
Optical Resolution	300 x 600 dpi
Interpolation Resolution	Maximum 4800 dpi
Pre-scan Mode	Yes, 75 dpi

Copier

Item	specification
Copy Mode	Black and Colour
Scanner Type	Flat-bed
Maximum Original Size	A4 (210 x 297 mm)
Maximum Paper Size	A4 (210 x 297 mm)
Optical Resolution	300 x 600 dpi
Copy Quality	Draft, Normal, Best
Mono Copy Speed (A4)	Draft: 4 cpm
Colour Copy Speed (A4)	Draft: 1.5 cpm
Effective Print-edge Margin	Top : 3.4 mm Bottom : 19.05 mm Each side : 6.5 mm
Multicopy	99 pages
Reduction & Enlargement	25% to 400% (1% increments)
Contrast Control	3 steps

Appendix
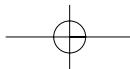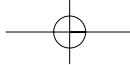
Replacing the Fitted Plug

Important

The mains lead for this machine is fitted with a standard (BS 1363) 13 amp plug and has a 13 amp fuse. When you change or examine the fuse, you must re-fit the correct 13 amp fuse. You then need to replace the fuse cover. If you have lost the fuse cover, do not use the plug until you get another fuse cover from the people from whom you bought the machine.
The 13 amp plug is the most widely used type in the UK and should be suitable. However, some buildings (mainly old ones) do not have normal 13 amp plug sockets. You need to buy a suitable plug adaptor. Do not remove the moulded plug.

Warning

If you cut off the moulded plug, get rid of it straight away. You cannot rewire the plug or you may get an electric shock if you put it into a socket.

Important warning: You must earth this machine

The wires in the mains lead have the following colour code:

- ● Green and Yellow : Earth
- ● Blue : Neutral
- ● Brown : Live

If the wires in the mains lead do not match the colours marked in your plug, do the following:
You must connect the green and yellow wire to the pin marked by the letter 'E', or by the safety 'Earth symbol' or coloured green and yellow or green.

You must connect the blue wire to the pin which is marked with the letter 'N' or coloured black.

You must connect the brown wire to the pin which is marked with the letter 'L' or coloured red.

You must have a 13 amp fuse in the plug, adaptor, or at the distribution board.

Guarantee

Limited Guarantee

We guarantee that this product has no faulty parts.

If the machine breaks down during the guarantee period and this is caused by improper workmanship or a fault, we will repair or replace the machine.

All repairs done under the guarantee must be done by a service centre we have authorized. You must keep the receipt as proof when you buy the machine. You must give this receipt to the service centre if they ask for it.

Exclusions

This guarantee does not cover damage caused by:

- ● an accident;
- ● fire;
- ● flood;
- ● acts beyond our control;
- ● misusing the machine;
- ● using an incorrect line voltage;
- ● not installing it properly;
- ● unauthorized repairs;
- ● using the machine to make a project; and
- ● damage that occurs when the machine is being transported.

The guarantee does not cover the machine's appearance, lamps and glass.

Any changes to the machine which are explained in the guide to using your Samsung printer are not covered under the terms of the guarantee. This guarantee will not apply if your machine does not have a serial number or the serial number is changed. This guarantee only applies to the machines bought and used in the United Kingdom.

In very rare circumstances your electricity supply may be hit by lightning. If it is likely that there will be a thunder storm, disconnect your machine from electricity supply.

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Shropshire TF3 3BJ

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